Durham E-Theses

An examination of the teaching of motor vehicle technology in colleges in the north east of England

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AN EXAMINATION OF THE TEACHING OF

MOTOR VEHICLE TECHNOLOGY IN COLLEGES

IN THE NORTH EAST OF ENGLAND

VOLUME II

Thesis submitted to Durham University for

the degree of Master of Education

by

K. H. FRAME

JULY 1981

17 MAY 1984

APPENDIX 1

QUESTIONNAIRE ON STUDENTS' OPINIONS AND ATTITUDES

The purpose of this questionnaire is to find out students' attitudes and opinions with regard to:

(a) course content
(b) the way in which courses are presented to them
(c) the teaching staff with whom they have contact
(d) their employment and environment

All the information supplied by students will be completely anonymous. There are **NO** right or wrong answers to any questions, but it is essential that the answers are your own personal opinion.

GUIDANCE ON ANSWERING QUESTIONNAIRE

In answering this questionnaire, the position in which you place your tick depends upon the opinion you hold e.g. In the statement 'I generally feel very enthusiastic about my job' if you <u>strongly agree</u> with this statement place your tick as indicated.

```
STRONGLY                          STRONGLY
AGREE                             DISAGREE
┌─────┬─────┬─────┬─────┬─────┐
│  ✓  │     │     │     │     │
└─────┴─────┴─────┴─────┴─────┘
   1     2     3     4     5
```

The lower the number the more agreement.

If you consider that you are completely unenthusiastic about your job, place your tick as indicated:

```
STRONGLY                          STRONGLY
AGREE                             DISAGREE
┌─────┬─────┬─────┬─────┬─────┐
│     │     │     │     │  ✓  │
└─────┴─────┴─────┴─────┴─────┘
   1     2     3     4     5
```

If you are undecided one way or the other, place your tick as indicated in the neutral number 3 position.

```
STRONGLY                          STRONGLY
AGREE                             DISAGREE
┌─────┬─────┬─────┬─────┬─────┐
│     │     │  ✓  │     │     │
└─────┴─────┴─────┴─────┴─────┘
   1     2     3     4     5
```

<u>Summing up</u>   BOX 1   indicated   'strongly agree'

                BOX 2   "   'agree'

                BOX 3   "   'neutral, neither agree nor disagree'

                BOX 4   "   'disagree'

                BOX 5   "   'strongly disagree'

In some questions you are simply required to answer <u>YES</u> or <u>NO</u>. If the answer to a question is <u>YES</u> answer by ticking the 'YES' box. i.e.

YES   NO

✓	

If the answer is <u>NO</u> respond by ticking the 'NO' box. i.e.

YES   NO

	✓

Other questions ask for opinion or information. These questions are self explanatory and spaces are provided for your response.

PLEASE COMPLETE THE FOLLOWING

1. The college you are attending at the present time is

   ....

   ....

2. State the course and year you are currently attending at college.

   ....

   ....

3. State the examinations (if any) and grades of pass, where appropriate, in which you have so far been successful i.e. C.S.E.'s, G.C.E.'s, motor vehicle craft studies part I, etc.

EXAMINATION	YEAR PASSED	GRADE OF PASS

4. Please give full titles and dates of any examinations you have failed at any time.

   ....

   ....

   ....

   ....

   ....

   ....

5. Give your age in years and months .... YEARS .... MONTHS

YES   NO

6. Are you married?

YES   NO

7. If you are married:- Do you own your own home?

8.   Are you buying your own home?

9.   Do you rent your home?

10.   Are you lodging with someone?

11. Give the full name of the school you attended full-time.

....

YES   NO

12. Do you live with your parents at the present time?

Could you indicate the people living in your family home at the present time:-

YES

13. Father

14. Mother   STATE NUMBER

15. Brothers

16. Sisters

17. Grandmothers

18. Grandfathers

19. Please specify other, living in your family home. i.e. aunts, uncles, etc.

....

....

Please state, to your knowledge, if your house is:-

YES

20. Rented

21. Owner Occupier

Please indicate the type of property in which you live.

NUMBER OF BEDROOMS

22. Terraced

23. Semi-detached

24. Detached

Specify as accurately as you can the job descriptions, qualifications and ages of the following:-

	YOUR	AGE	JOB DESCRIPTION	QUALIFICATION/S
25.	FATHER			
26.	MOTHER			
27.	BROTHERS			
	1			
	2			
	3			
	4			
28.	SISTERS			
	1			
	2			
	3			
	4			

29. Please specify the exact title of your present job. i.e. apprentice motor mechanic, apprentice motor vehicle technician, etc.

o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o

30. Have you had any full=time jobs other than your present one?

YES   NO

If <u>YES</u> please specify and give the reasons for your leaving.

	JOB NO.	JOB TITLE	REASON/S FOR LEAVING
31.	1		
32.	2		
33.	3		
34.	4		

35. What is/are your main hobbies/pastimes?

....

....

....

....

36. What musical instrument/s do/did you play (if any)? Include any that you played at school.

....

....

37. Do you like poetry?

YES   NO

38. Specify any subject/s you studied at Secondary school that you particularly enjoyed.

    ....

    ....

    ....

    ....

39. On the whole, would you say you enjoyed your years in Secondary school?

    YES   NO

40. Give any main reason/s for liking or disliking Secondary school.
    (a) Liking:- ....

    ....
    (b) Disliking:- ....

    ....

    ....

41. At Secondary school did any particular teacher/s stand out as being helpful to you in any way?

    YES   NO

42. If your answer to Question 41 is YES, please try to explain in what way you received help.

    ....

    ....

    ....

    ....

Are you a member of:-

YES NO

43. (a) Your College Library?

YES NO

(b) Your Local Public Library?

45. In the past twelve months, approximately, how many technical books have you read (either in whole or in part) that were connected with your college course?

. . . .

46. Approximately, how many other books (not magazines) have you read for pleasure during the same time?

. . . .

47. If you had to sum up the teachers you had in Secondary School, what would you say of them in general?

. . . .

. . . .

. . . .

. . . .

. . . .

. . . .

YES NO

48. (a) Did you have the option to stay on at school to do 'A' Levels?

(b) If YES why did you leave when you did?

(c) Before you left school did you have an interview with a careers officer from your local careers centre?

YES NO

(d) Have you had an interview with the careers officer since leaving school?

YES NO

49. What advise did your school give you concerning:-

   (a) leaving/staying on at school?

   ....

   ....

   ....

   (b) getting a job?

   ....

   ....

   ....

   (c) the type of job best suited to you?

   ....

   ....

   ....

50. What advice did your parents give you about leaving/staying on at school?

   ....

   ....

   ....

   ....

   ....

51. Do you receive encouragement from your parents to attend and do well at college?

YES	NO

In this section of the questionnaire there are statements about likes and dislikes concerned with your employment and education. As explained, place a tick in the box you think best suited to your opinion.

STRONGLY AGREE   STRONGLY DISAGREE

52. I think I am lucky because many people would consider my job as more of a hobby.

1   2   3   4   5

53. My job is unpleasant.

1   2   3   4   5

54. I enjoy doing my job as much as I enjoy my leisure time.

1   2   3   4   5

55. My friends envy me my job.

1   2   3   4   5

56. I consider my work to be interesting.

1   2   3   4   5

57. I am satisfied with my job.

1   2   3   4   5

STRONGLY
AGREE

STRONGLY
DISAGREE

58. I consider my job to be boring.

1	2	3	4	5

59. I think I enjoy my job more than the average worker.

1	2	3	4	5

60. My work gives me real enjoyment.

1	2	3	4	5

61. Given the choice I would stay at home rather than go into work.

1	2	3	4	5

62. I consider the most important thing about a job is to get well paid for it.

1	2	3	4	5

63. I like my day at work to be very busy.

1	2	3	4	5

64. I would like to stay in the motor trade but am keen for a change of employment.

1	2	3	4	5

STRONGLY AGREE   STRONGLY DISAGREE

65. I sometimes think I am used as a source of cheap labour at work

1	2	3	4	5

66. I generally feel very enthusiastic about my job.

1	2	3	4	5

67. When I chose to work at my firm money was'nt the main consideration

1	2	3	4	5

68. I feel that my job is secure and there isn't much chance of redundancy.

1	2	3	4	5

69. I look forward to the day when I will be in a position of responsibility at my firm.

1	2	3	4	5

70. I am at present looking for a complete change of employment away from the motor/transport trade.

1	2	3	4	5

71. I receive encouragement from my employers to do well at my college studies.

1	2	3	4	5

STRONGLY AGREE   STRONGLY DISAGREE

72. In order to succeed at college and pass examinations students must read text books.

1	2	3	4	5

73. Part-time day students tend to miss out on college activities.

1	2	3	4	5

74. Part-time day students should be given the opportunity to participate in administrating student facilities.

1	2	3	4	5

75. Lecturers in technical colleges need to have good academic qualifications.

1	2	3	4	5

76. Lecturers in technical colleges need to be goood practically in order to teach technical subjects effectively.

1	2	3	4	5

77. Generally speaking, lecturers in my technical college treat their students with respect.

1	2	3	4	5

78. A good college lecturer always keeps his students quiet in class.

1	2	3	4	5

STRONGLY AGREE · · · · STRONGLY DISAGREE

79. When at college students should be encouraged to speak out in class if they don't understand something said by the teacher.

1	2	3	4	5

80. Alllecturers in technical college should be trained to teach.

1	2	3	4	5

81. Practical demonstrations by the college lecturer are essential when teaching motor vehicle subjects.

1	2	3	4	5

82. College lectures who swear in class are generally poor teachers.

1	2	3	4	5

83. Lecturers who constantly stray away from the main subject area and talk about hobbies, sport, etc., are wasting the students time.

1	2	3	4	5

84. Most college lecturers I know are enthusiastic and seem to enjoy their work.

1	2	3	4	5

85. My college is usually fair but tough with students.

1	2	3	4	5

STRONGLY AGREE   STRONGLY DISAGREE

86. Lecturers at college tend not to enforce discipline.

1	2	3	4	5

87. Generally speaking, the college course I am attending is effectively organised.

1	2	3	4	5

88. It is important that lessons at college start and finish on time.

1	2	3	4	5

89. Generally speaking there is a friendly atmosphere existing between lecturers and students at my college.

1	2	3	4	5

90. The opinions given by lecturers at my college concerning course matters are generally good ones.

1	2	3	4	5

91. The college staff would help me if I found myself in difficulties, either at work or at home.

1	2	3	4	5

92. The academic needs of students attending college are catered for.

1	2	3	4	5

STRONGLY
AGREE

STRONGLY
DISAGREE

93. The academic content of my course is, in
my opinion, perfectly adequate.

1	2	3	4	5

94. My friends and acquaintances are impressed
when I tell them I am attending college.

1	2	3	4	5

95. The college and staff should take an
interest in student problems, both inside
and outside the college.

1	2	3	4	5

96. All syllabus topics I have covered while on
my course at college are relevant to my
job.

1	2	3	4	5

97. Enthusiastic college lecturers make students
enthusiastic.

1	2	3	4	5

98. The college sometimes interferes with
my personal life.

1	2	3	4	5

99. The library facilities at my college
are perfectly adequate.

1	2	3	4	5

STRONGLY AGREE   STRONGLY DISAGREE

100. Lessons I have attended at college have generally been well presented by the lecturer.

1	2	3	4	5

101. Lessons at college make me develop new ideas of my own.

1	2	3	4	5

102. At the end of the day at college students generally go away feeling as though they have learnt something.

1	2	3	4	5

103. Students are encouraged to work together at college.

1	2	3	4	5

104. A day at college is more enjoyable than going to work.

1	2	3	4	5

105. At college good use is made by the lecturers of visual aid materials and equipment.

1	2	3	4	5

106. The advantages of being successful on my course have been adequately explained to me.

1	2	3	4	5

STRONGLY AGREE · · · · · STRONGLY DISAGREE

107. College lectures are generally sympathetic to my study problems.

1	2	3	4	5

108. The principal aim of college lecturers is to bring about improved standards of skill in their students.

1	2	3	4	5

109. It is important that students should be given a statement at the beginning of a teaching programme indicating the topics that are to be taught and the reasons why they have been included.

1	2	3	4	5

110. It is important that the lecturer teaches the related topics of the syllabus in a clear and natural order.

1	2	3	4	5

111. I feel that it is important that I know the previous years examination results of the course I am attending.

1	2	3	4	5

112. It is important to be given 'progress bulletins' on my performance as a student.

1	2	3	4	5

113. It is important that students know the teaching methods to be adopted for each topic on the syllabus.

1	2	3	4	5

	STRONGLY AGREE				STRONGLY DISAGREE

114. It is important, when starting a new topic, to know how much time is available to complete it.

1	2	3	4	5

115. It is important that I be given a detailed syllabus so that I can check my progress in topics completed.

1	2	3	4	5

HOW INTERESTING ARE THE FOLLOWING SUBJECTS TO YOU?

116. Technology

1	2	3	4	5

	VERY INTERESTING				COMPLETELY UNINTERESTING

117. Science

1	2	3	4	5

118. Mathematics

1	2	3	4	5

119. Workshop Practice

1	2	3	4	5

120. Industrial/General Studies

1	2	3	4	5

HOW IMPORTANT ARE THE FOLLOWING SUBJECTS
TO YOU IN YOUR JOB?

	VERY IMPORTANT				COMPLETELY UNIMPORTANT

121. Technology

1	2	3	4	5

122. Science

1	2	3	4	5

123. Mathematics

1	2	3	4	5

124. Workshop Practice

1	2	3	4	5

125. Industrial/General Studies

1	2	3	4	5

126. Do you think it important that you be
consulted on the teaching order of
course topics?

1	2	3	4	5

VERY EFFECTIVE				COMPLETELY INEFFECTIVE

127. How effective do you find the following
revision arrangements?

Revision every few weeks.

1	2	3	4	5

	VERY EFFECTIVE				COMPLETELY INEFFECTIVE
	1	2	3	4	5

128. Revision at the end of each term

	1	2	3	4	5

129. Revision at the end of the course.

	1	2	3	4	5

AS AN AID TO LEARNING, HOW EFFECTIVE
DO YOU CONSIDER TESTS TO BE WHEN GIVEN

130. Every few weeks?

	1	2	3	4	5

131. At the end of each term?

	1	2	3	4	5

132. At the end of the course?

	1	2	3	4	5

HOW CLEARLY DO EACH OF THE FOLLOWING STATEMENTS (A & B) TELL YOU WHAT YOU ARE
EXPECTED TO LEARN BY THE END OF TEACHING SESSION? INFORMATION 'A' REPRESENTS THE
TRADITIONAL SYLLABUS PRESENTATION, WHILE 'B' INDICATES THE SAME TOPIC PRESENTED
OBJECTIVELY.

VERY CLEAR   VERY HAZY

133. Information 'A'

Special clothing (Safety). Use of overalls,
goggles, footwear etc. Dangers of everyday
clothing.

	1	2	3	4	5

134. **Information 'B'**

The student shall:

(a) Given a list of different processes and machines and a list of protective clothing, match the protective clothing to the corresponding process or machine.

(b) State that, when in the proximity of moving machinery, it is dangerous to wear   (a) loose ties
          (b) loose clothing
          (c) rings and watches
          (d) loose hair

(c) Display safety consciousness by wearing the correct clothing

VERY CLEAR				VERY HAZY
1	2	3	4	5

135. Passing my college examination is important to me.

STRONGLY AGREE				STRONGLY DISAGREE
1	2	3	4	5

Passing my college examination is important to me because:-

....

....

....

....

136. It will give me personal satisfaction.

1	2	3	4	5

137. It will give me better career prospects.

1	2	3	4	5

138. It will please my parents.

1	2	3	4	5

139. It will please my employers.

STRONGLY AGREE | | | | STRONGLY DISAGREE

1	2	3	4	5

140. The thought of failure frightens/ concerns me.

1	2	3	4	5

141. If the thought of examination failure does frighten/concern you state the reasons why.

....

....

....

....

142. If passing your college examinations is not important to you, state your reasons for this attitude.

....

....

....

....

143. How did you get your present job? (one or more of the following could apply):-

YES

(a) Following an interview with a youth employment officer. a

(b) Following an interview at the local technical college. b

(c) Through the careers master at school. c

(d) Through a relative. d

143. <u>cont'd</u>

YES

(e) Through an advertisement you saw.

e

(f) Through a friend/acquaintance at the firm in question.

f

(g) By calling/ringing unannounced at the firm and asking if there were any vacancies.

g

144. If you got your job by any other means, please state how:-

....

....

....

....

145. State the title/s of the person/s who interviewed you at your present firm.

....

....

....

146. Was any kind of test given to you before you were taken on by your present employers.

YES ☐☐ NO

147. If the answer to Q146 is <u>YES</u> please give a brief account of the test you received.

....

....

....

....

....

148. If your employers allowed you to choose the type of course to attend, which **ONE** of the following would you choose:-

YES

(a) Block release at the technical college ('full time' for a total of 9 weeks).   a

(b) Full-time at the technical college (one years full-time attendance covering training board requirements and the 1st and 2nd year craft examinations).   b

   c

(c) Part-time day and evening at the technical college.

(d) Evening only at the technical college.   d

(e) All on-the-job training at your firm.   e

(f) All off-the-job training at your firm.   f

149. What other formal training/instruction have you received since starting your employment i.e. works courses, training board courses, manufacturers courses, etc.

NAME OF COURSE	COMMENTS (i.e. Poor - Adequate - Good - Very Good - Excellent
1.	
2.	
3.	
4.	
5.	

Which of the given homework activities
in your opinion, would be effective in
each of the subjects listed?

(tick appropriate boxes)

HOMEWORK ACTIVITIES

SUBJECT	Homework not needed	Copying Up Notes	Practicing of routine Skills/ Procedures	Tackling New Problems	Working through Self Study Packages	Collecting Information from work	Reading Text Books
150. TECHNOLOGY							
151. SCIENCE							
152. MATHEMATICS							
153. WORKSHOP PRACTICE							
154. INDUSTRIAL STUDIES							

In your opinion, which of the five methods of assembly of notes/information, should be used in each of the listed subjects? (Indicate effective methods by ticking appropriate boxes).

STUDENTS RECORD OF INFORMATION

	SUBJECT	1 Dictation from Teacher	2 Notes from Blackboard	3 Class Handouts	4 Use of Text Books	5 Own Made Notes
155.	TECHNOLOGY					
156.	SCIENCE					
157.	MATHEMATICS					
158.	WORKSHOP PRACTICE					
159.	INDUSTRIAL STUDIES					

TEACHING METHOD/LEARNING ACTIVITY

Which of the seven indicated teaching/learning methods, do you feel would be effective, in the teaching of each of the listed five subjects. Indicate your opinion by placing a tick in the appropriate boxes. (You may choose to put several ticks for each subject).

(1) EXPOSITION: teacher lecturing, perhaps with use of aids and demonstrations

(2) QUESTIONS AND ANSWER SESSIONS: Class responding to teacher's questions.

(3) GROUP DISCUSSIONS AND ASSIGNMENTS: students working or discussing in groups.

(4) INDIVIDUAL TUTORIALS: teacher tutoring individual students.

(5) SELF STUDY: student learning and working on his own.

(6) PRACTICE: student involved in repetitive or practice of activities to improve competence.

(7) LABORATORY AND WORKSHOP ACTIVITIES: student learning using equipment, tools or materials

	1 Exposition	2 Questions & Answers	3 Group Diss'ns & Assign'nts	4 Individual Tutorials	5 Self Study	6 Practice	7 Lab. & W/S Activities
160. TECHNOLOGY							
161. SCIENCE							
162. MATHEMATICS							
163. WORKSHOP PRACTICE							
164. INDUSTRIAL STUDIES							

Q U E S T I O N N A I R E   O N   C O U R S E   E F F E C T I V E N E S S

The purpose of this questionnaire is to find out, prior to some course redevelopment, what opinion lecturers have on the way courses should be presented and how teachers interpret students' attitudes and opinions with regard to:

(a) course content

(b) the way in which courses are presented

(c) the teaching staff with whom they have contact

(d) their employment and environment.

All the information supplied will be completely anonymous; there are NO right or wrong answers to any questions but it is essential that the answers are your own personal opinion.

GUIDANCE ON ANSWERING QUESTIONNAIRE

In answering this questionnaire, the position in which you place your tick depends upon the opinion you hold e.g. In the statement 'Craft students generally think that the courses they attend are effectively organised', if you strongly agree with this statement place your tick as indicated.

STRONGLY AGREE				STRONGLY DISAGREE
✓				
1	2	3	4	5

The lower the number the more agreement.

If you strongly disagree with this statement and consider that craft students generally think that the courses they attend are not effectively organised, place your tick as indicated.

STRONGLY AGREE				STRONGLY DISAGREE
				✓
1	2	3	4	5

If you are undecided one way or the other, place your tick as indicated in the neutral number 3 position.

STRONGLY AGREE				STRONGLY DISAGREE
		✓		
1	2	3	4	5

SUMMING UP

BOX 1 indicates 'strongly agree'

BOX 2   "   'agree'

BOX 3   "   'neutral, neither agree nor disagree'

BOX 4   "   'disagree'

BOX 5   "   'strongly disagree'

In some questions you are simply required to answer YES or NO. If the answer to a question is YES answer by ticking the 'YES' box, i.e.

YES   NO

If the answer is NO respond by ticking the NO box i.e.

YES   NO

Other questions ask for opinions or information. These questions are self explanatory and spaces are provided for your response.

Please indicate the type of student you have (1) taught

                                           (2) have had experience of

(a) Motor Vehicle Craft Students

(b) Motor Vehicle Technician Students

(c) Mechanical/Fabrication Craft Students

(d) Mechanical Technician Students

(e) Electrical Craft Students

(f) Electrical Technician Students

YES   YES

TAUGHT   HAVE HAD EXPERIENCE OF

All the questions in this questionnaire principally refer to students attending motor vehicle courses.

1. On the whole, would you say that students enjoyed their years in Secondary school?

CRAFT STUDENTS

YES	NO

TECHNICIAN STUDENTS

YES	NO

2. Do students tend to make good use of your college library facilities?

CRAFT STUDENTS

YES	NO

TECHNICIAN STUDENTS

YES	NO

3. Do students tend to make use of their Local Public Library?

CRAFT STUDENTS

YES	NO

TECHNICIAN STUDENTS

YES	NO

4. Would you say that, in general, students receive encouragement from their parents to attend and do well at college?

CRAFT STUDENTS

YES	NO

TECHNICIAN STUDENTS

YES	NO

In this section of the questionnaire there are statements concerned with students employment and education. As explained, place a tick in the box you think best suited to your opinion.

STUDENTS:-

		STRONGLY AGREE				STRONGLY DISAGREE

5. think they are lucky because many people would consider their job as more of a hobby.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

6. think their jobs are unpleasant.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

7. enjoy their jobs as much as their leisure time.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

8. friends envy them their jobs.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

9. consider their work to be interesting.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

STUDENTS:-

		STRONGLY AGREE				STRONGLY DISAGREE

10. are satisfied with their jobs.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

11. consider their jobs to be boring.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

12. think that they enjoy their jobs more than the average worker.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

13. work in the motor trade gives them real enjoyment.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

14. given the choice, would stay at home rather than go to work.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

STUDENTS:-

STRONGLY AGREE   STRONGLY DISAGREE

15. consider the most important thing about a job is to get well paid for it.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

16. like their day at work to be very busy.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

17. I know would like to stay in the motor trade, but are keen for a change of employment.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

18. sometimes think they are used as a source of cheap labour at work.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

19. generally feel very enthusiastic about their jobs.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

STUDENTS:-

		STRONGLY AGREE				STRONGLY DISAGREE

20. did not consider money to be the most important factor when they chose to work at their current place of employment.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

21. feel that their jobs are secure and there isn't much chance of redundancy.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

22. look forward to the day when they will be in a position of responsibility at the firm there they work.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

23. I know are at present looking for a complete change of employment away from the motor/ transport trade.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

24. receive encouragement from their employers to do well at their college studies.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

STUDENTS:-

<table>
<tr><td></td><td></td><td></td><td>STRONGLY
AGREE</td><td></td><td></td><td></td><td>STRONGLY
DISAGREE</td></tr>
</table>

25. think, in order to succeed at college and pass examinations, they must read text books.

CRAFT STUDENT

| 1 | 2 | 3 | 4 | 5 |

TECHNICIAN STUDENT

| 1 | 2 | 3 | 4 | 5 |

26. think that part-time day students tend to miss out on college activities.

CRAFT STUDENT

| 1 | 2 | 3 | 4 | 5 |

TECHNICIAN STUDENT

| 1 | 2 | 3 | 4 | 5 |

27. who attend part-time day courses think they should be given the opportunity to participate in administrating student facilities.

CRAFT STUDENT

| 1 | 2 | 3 | 4 | 5 |

TECHNICIAN STUDENT

| 1 | 2 | 3 | 4 | 5 |

28. think that lecturers in technical colleges need to have good academic qualifications.

CRAFT STUDENT

| 1 | 2 | 3 | 4 | 5 |

TECHNICIAN STUDENT

| 1 | 2 | 3 | 4 | 5 |

29. think that technical college lecturers need to be good practically in order to teach technical subjects effectively.

CRAFT STUDENT

| 1 | 2 | 3 | 4 | 5 |

TECHNICIAN STUDENT

| 1 | 2 | 3 | 4 | 5 |

STUDENTS: -

30. generally feel that they are treated with respect by college lecturers.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

31. think that a good college lecturer always keeps his students quiet in class.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

32. when at college, think that they should be encouraged to speak out in class if they don't understand something said by the teacher.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

33. think all lecturers in technical colleges should be trained to teach.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

34. think practical demonstrations by the lecturer are essential when teaching motor vehicle subjects.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

STUDENTS:-

35. think that college lecturers who swear in class are generally poor teachers.

CRAFT STUDENT

| 1 | 2 | 3 | 4 | 5 |

TECHNICIAN STUDENT

| 1 | 2 | 3 | 4 | 5 |

36. think lecturers who constantly stray away from the main subject area and talk about hobbies, sport, etc., are wasting their time.

CRAFT STUDENT

| 1 | 2 | 3 | 4 | 5 |

TECHNICIAN STUDENT

| 1 | 2 | 3 | 4 | 5 |

37. think that college lecturers are enthusiastic and seem to enjoy their work.

CRAFT STUDENT

| 1 | 2 | 3 | 4 | 5 |

TECHNICIAN STUDENT

| 1 | 2 | 3 | 4 | 5 |

38. think that their college is usually fair but tough with them.

CRAFT STUDENT

| 1 | 2 | 3 | 4 | 5 |

TECHNICIAN STUDENT

| 1 | 2 | 3 | 4 | 5 |

39. think that lecturers at college tend not to enforce discipline.

CRAFT STUDENT

| 1 | 2 | 3 | 4 | 5 |

TECHNICIAN STUDENT

| 1 | 2 | 3 | 4 | 5 |

STUDENTS:-

40. think that, generally speaking the college course they are attending is effectively organised.

CRAFT STUDENT

| 1 | 2 | 3 | 4 | 5 |

TECHNICIAN STUDENT

| 1 | 2 | 3 | 4 | 5 |

41. think that it is important that lessons at college start and finish on time.

CRAFT STUDENT

| 1 | 2 | 3 | 4 | 5 |

TECHNICIAN STUDENT

| 1 | 2 | 3 | 4 | 5 |

42. think that, generally speaking, there is a friendly atmosphere existing between lecturers and students.

CRAFT STUDENT

| 1 | 2 | 3 | 4 | 5 |

TECHNICIAN STUDENT

| 1 | 2 | 3 | 4 | 5 |

43. think that opinions given by lecturers concerning course matters are generally good ones.

CRAFT STUDENT

| 1 | 2 | 3 | 4 | 5 |

TECHNICIAN STUDENT

| 1 | 2 | 3 | 4 | 5 |

44. think that college staff would help them if they found themselves in difficulties, either at work or at home.

CRAFT STUDENT

| 1 | 2 | 3 | 4 | 5 |

TECHNICIAN STUDENT

| 1 | 2 | 3 | 4 | 5 |

		STRONGLY AGREE				STRONGLY DISAGREE

45. think that the academic
needs of students at
college are catered for.

CRAFT STUDENT

1   2   3   4   5

TECHNICIAN STUDENT

1   2   3   4   5

46. think that the academic
content of their course
is perfectly adequate.

CRAFT STUDENT

1   2   3   4   5

TECHNICIAN STUDENT

1   2   3   4   5

47. feel that their friends
and acquaintances are
impressed when told
that they are attending
college.

CRAFT STUDENT

1   2   3   4   5

TECHNICIAN STUDENT

1   2   3   4   5

48. feel that the college
and staff should take an
interest in their
problems, both inside
and outside the college.

CRAFT STUDENT

1   2   3   4   5

TECHNICIAN STUDENT

1   2   3   4   5

49. think that all syllabus
topics that they have
covered while on their
course are relevant to
their job.

CRAFT STUDENT

1   2   3   4   5

TECHNICIAN STUDENT

1   2   3   4   5

STUDENTS:-

	STRONGLY AGREE				STRONGLY DISAGREE

50. think that enthusiastic college lecturers make students enthusiastic.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

51. feel that the college sometimes interferes with their personal lives.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

52. think that the library facilities at their college are perfectly adequate.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

53. think that lessons they have attended at college have generally been well presented by the lecturers.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

54. think that lessons at college make them develop new ideas of their own.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

STUDENTS:-

| | | STRONGLY AGREE | | | | STRONGLY DISAGREE |

55. at the end of their day at college go away feeling as though they have learnt something.

CRAFT STUDENT

| 1 | 2 | 3 | 4 | 5 |

TECHNICIAN STUDENT

| 1 | 2 | 3 | 4 | 5 |

56. feel that they are encouraged to work together at college.

CRAFT STUDENT

| 1 | 2 | 3 | 4 | 5 |

TECHNICIAN STUDENT

| 1 | 2 | 3 | 4 | 5 |

57. think that a day at college is more enjoyable than going to work.

CRAFT STUDENT

| 1 | 2 | 3 | 4 | 5 |

TECHNICIAN STUDENT

| 1 | 2 | 3 | 4 | 5 |

58. think that, at college, good use is made by the college lecturers of visual aid materials and equipment.

CRAFT STUDENT

| 1 | 2 | 3 | 4 | 5 |

TECHNICIAN STUDENT

| 1 | 2 | 3 | 4 | 5 |

59. think they have had the advantages of being successful on their course adequately explained to them.

CRAFT STUDENT

| 1 | 2 | 3 | 4 | 5 |

TECHNICIAN STUDENT

| 1 | 2 | 3 | 4 | 5 |

STUDENTS:-

		STRONGLY AGREE				STRONGLY DISAGREE

60. think that lecturers are generally sympathetic to their study problems.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

61. think that the principal aim of college lecturers is to bring about improved standards of skill in them.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

62. think that it is important that they should be given a statement at the beginning of a teaching programme indicating the topics that are to be taught and the reasons why they are being taught.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

63. think that it is important that the lecturer teaches the related topics of the syllabus in a clear and natural order.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

64. feel that it is important that they know the previous year's examination results of the course they are attending.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

STUDENTS:-

<div align="right">

| STRONGLY AGREE | | | | STRONGLY DISAGREE |
</div>

65. feel that it is important to be given 'progress bulletins' on their performance as students.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

66. think that it is important that they know the teaching method to be adopted for each topic on the syllabus.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

67. think it important, when starting a new topic, to know how much time is available to complete it.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

68. think it important to be given a detailed syllabus so that they can check their progress in topics completed.

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

HOW INTERESTING DO YOU THINK STUDENTS FIND THE FOLLOWING SUBJECTS?

VERY INTERESTING / COMPLETELY UNINTERESTING

69. Technology

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

			VERY INTERESTING			COMPLETELY UNINTERESTING	

70. Science

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

71. Mathematics

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

72. Workshop Practice

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

73. Industrial/General Studies

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

HOW IMPORTANT DO YOU THINK STUDENTS FIND THE FOLLOWING SUBJECTS TO THEIR JOB?

VERY IMPORTANT   COMPLETELY UNIMPORTANT

74. Technology

CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

		<u>VERY</u> <u>IMPORTANT</u>				<u>COMPLETELY</u> <u>UNIMPORTANT</u>

75. Science   **CRAFT STUDENT**

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

76. Mathematics   **CRAFT STUDENT**

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

77. Workshop Practice   **CRAFT STUDENT**

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

78. Industrial/General Studies   **CRAFT STUDENT**

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

79. Do you feel that students think that they should be consulted on the teaching order of course topics?   **CRAFT STUDENT**

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

HOW EFFECTIVE DO YOU THINK STUDENTS
FIND THE FOLLOWING ARRANGEMENTS?

		VERY EFFECTIVE				COMPLETELY INEFFECTIVE

80. Revision every four weeks   CRAFT STUDENT

         1   2   3   4   5

                                   TECHNICIAN STUDENT

         1   2   3   4   5

81. Revision at the end of each term.   CRAFT STUDENT

         1   2   3   4   5

                                   TECHNICIAN STUDENT

         1   2   3   4   5

82. Revision at the end of the course.   CRAFT STUDENT

         1   2   3   4   5

                                   TECHNICIAN STUDENT

         1   2   3   4   5

AS AN AID TO LEARNING, HOW EFFECTIVE DO YOU
CONSIDER STUDENTS FIND TESTS TO BE WHEN GIVEN

83. every few weeks?   CRAFT STUDENT

         1   2   3   4   5

                                   TECHNICIAN STUDENT

         1   2   3   4   5

84. at the end of each term?   CRAFT STUDENT

         1   2   3   4   5

                                   TECHNICIAN STUDENT

         1   2   3   4   5

		VERY EFFECTIVE				COMPLETELY INEFFECTIVE

85. at the end of the course? CRAFT STUDENT

1	2	3	4	5

TECHNICIAN STUDENT

1	2	3	4	5

HOW CLEARLY DO EACH OF THE FOLLOWING STATEMENTS (A & B) TELL STUDENTS WHAT THEY ARE EXPECTED TO LEARN BY THE END OF A TEACHING SESSION? INFORMATION 'A' REPRESENTS THE TRADITIONAL SYLLABUS PRESENTATION, WHILE 'B' INDICATES THE SAME TOPIC PRESENTED OBJECTIVELY.

86. INFORMATION 'A'   CRAFT STUDENT

VERY CLEAR ... VERY HAZY

1	2	3	4	5

Sepcial clothing (Safety). Use of overalls, goggles, footwear, etc. Dangers of everyday clothing.

TECHNICIAN STUDENT

1	2	3	4	5

87. INFORMATION 'B'

The student shall:

(a) Given a list of different processes and machines and a list of protective clothing, match the protective clothing to the corresponding process or machine.

(b) State that, when in the proximity of moving machinery, it is dangerous to wear   (i)   loose ties
(ii) loose clothing
(iii) rings and watches
(iv) loose hair

(c) Display safety consciousness by wearing the correct clothing.

VERY CLEAR ... VERY HAZY

CRAFT STUDENTS

1	2	3	4	5

TECHNICIAN STUDENTS

1	2	3	4	5

| | | STRONGLY AGREE | | | | STRONGLY DISAGREE |

88. It is important to students to pass their examinations.

CRAFT STUDENT

| 1 | 2 | 3 | 4 | 5 |

TECHNICIAN STUDENT

| 1 | 2 | 3 | 4 | 5 |

IT IS IMPORTANT TO STUDENT THAT THEY PASS THEIR EXAMINATIONS BECAUSE:-

89. it gives them personal satisfaction.

CRAFT STUDENT

| 1 | 2 | 3 | 4 | 5 |

TECHNICIAN STUDENT

| 1 | 2 | 3 | 4 | 5 |

90. it will give them better career prospects.

CRAFT STUDENT

| 1 | 2 | 3 | 4 | 5 |

TECHNICIAN STUDENT

| 1 | 2 | 3 | 4 | 5 |

91. it will please their parents.

CRAFT STUDENT

| 1 | 2 | 3 | 4 | 5 |

TECHNICIAN STUDENT

| 1 | 2 | 3 | 4 | 5 |

92. it will please their employers.

CRAFT STUDENT

| 1 | 2 | 3 | 4 | 5 |

TECHNICIAN STUDENT

| 1 | 2 | 3 | 4 | 5 |

		STRONGLY AGREE				STRONGLY DISAGREE

93. the thought of failure
frightens/concerns
them.

CRAFT
STUDENTS

1	2	3	4	5

TECHNICIAN
STUDENTS

1	2	3	4	5

Which of the given homework activities in your opinion, would be effective in each of the subjects listed?

(tick appropriate boxes)

HOMEWORK ACTIVITIES

	SUBJECT	Homework not needed	Copying Up Notes	Practicing of routine Skills/ Procedures	Tackling New Problems	Working through Self Study Packages	Collecting Information from work	Reading Text Books
94.	TECHNOLOGY							
95.	SCIENCE							
96.	MATHEMATICS							
97.	WORKSHOP PRAC.							
98.	GEN/IND. STUDIES							

In your opinion, which of the five methods of assembly of notes/information, should be used in each of the listed subjects? (Indicate effective methods by ticking appropriate boxes).

STUDENT'S RECORD OF INFORMATION

	SUBJECT	1 Dictation from Teacher	2 Notes from Blackboard	3 Class Handouts	4 Use of Text Books	5 Own Made Notes
99.	TECHNOLOGY					
100.	SCIENCE					
101.	MATHEMATICS					
102.	WORKSHOP PRACTICE					
103.	GEN/IND. STUDIES					

TEACHING METHOD/LEARNING ACTIVITY

Which of the seven indicated teaching/learning methods, do you feel would be effective, in the teaching of each of the listed five subjects. Indicate your opinion by placing a tick in the appropriate boxes. (You may choose to put several ticks for each subject).

(1) EXPOSITION: teacher lecturing, perhaps with use of aids and demonstrations.

(2) QUESTIONS AND ANSWER SESSIONS: Class responding to teacher's questions.

(3) GROUP DISCUSSIONS AND ASSIGNMENTS: students working or discussing in groups.

(4) INDIVIDUAL TUTORIALS: teacher tutoring individual students.

(5) SELF STUDY: student learning and working on his own.

(6) PRACTICE: student involved in repetition or practice of activities to improve competence.

(7) LABORATORY AND WORKSHOP ACTIVITIES: student learning using equipment, tools or materials.

	1 Exposition	2 Questions & Answers	3 Group Diss'ns & Assign.	4 Individ. Tutorials	5 Self Study	6 Practice	7 Lab. & W/Shop Activit.
104. TECHNOLOGY							
105. SCIENCE							
106. MATHEMATICS							
107. W/SHOP PRAC.							
108. GEN/IND. ST.							

CLASSIFICATION OF INTELLECTUAL LEVELS

The purpose of this section is to highlight the ambiguities that exist in the way in which college lecturers interpret course topics.

This is an experimental study of opinion.

Please answer all questions by placing a tick in the appropriate space.

The specification of intellectual levels are those adopted by the Technician Education Council (T.E.C.) i.e. (a) INFORMATION (b) COMPREHENSION (c) APPLICATION (d) INVENTION.

DEFINITIONS

(a) INFORMATION

This lowest level involves the remembering of previously learned material. This may involve the recall of a wide range of material from specific facts to methods, theories and definitions.

(b) COMPREHENSION

Comprehension is defined as the ability to grasp the meaning of material. This could involve:

(i) translating material from one form to another (words to numbers).

(ii) interpreting material (interpolation of a graph or explaining in own words).

(iii) estimating future trends (extrapolation of a graph or predicting consequences).

(c) APPLICATION

Application refers to the ability to use learned material in new situations.

(d) INVENTION

Objectives at this, the highest level, expect the student to produce a finished article (i.e. a design, or a judgement) after having duly considered all of the relevant aspects.

GUIDANCE ON ANSWERING

Read the statements in the order presented, indicating your opinion in the space provided before going on to read the next statement.

The objectives are written in terms of learning outcome of the student.

e.g.

one of the statements
reads 'Given a sketch
showing the relative
positions of a
vehicle's major units,
the student states
which is the gear-
box'.

A Inform'n	B Comp'n	C Appl'n	D Inven'n

If you think this statement indicates "INFORMATION" as the highest
intellectual level of learning, place a tick in Box A as indicated.

If the statement indicates "COMPREHENSION" as the highest level, place your
tick in Box B.

If the statement indicates "APPLICATION" as the highest level, place your
tick in Box C.

If you think "INVENTION" is the highest intellectual level the statement
indicates, place your tick in the Box D.

The following selected specific objectives are presented at random.

1. Given an illustrated
sketch showing a
conventional engine
and transmission
system, state why
the gearbox is so
positioned.

A Inform'n	B Comp'n	C Appl'n	D Inven'n

2. Calculate from a
fully specified
gearbox the ratios
of all gear
positions.

3. Given a gearbox
unit on a bench,
calculate the ratios
of each gear
position.

4. Given a closed
gearbox unit on a
bench, is able to
devise an experiment
to calculate the
ratios of all the
gear positions.

	A Inform'n	B Comp'n	C Appl'n	D Inven'n
5. Given a gearbox unit on a bench, is able to state how the reverse gear position is selected.				

6. State the function of the reverse idler pinion.

7. Explain the engine and load conditions which demand the use of a gearbox.

8. Explain the reasons why a driver, in order to climb steep hills engages a gear which causes the driving wheels to rotate slower with more torque.

9. State the outcome of increasing the reverse idler pinion size on the reverse gear ratio.

10. Given a sketch showing the relative positions of a vehicle's major units, state which is the gearbox.

11. Calculate gear ratios.

12. In relation to other major units, state the position of the gearbox.

13. State by what means reverse gear is selected.

A Inform'n	B Comp'n	C Appl'n	D Inven'n

14. Given that a low gear position facilitates ease of hill climbing by providing more engine torque, explain why a wider throttle opening would be necessary to maintain a constant speed.

15. Given a sketch of a four speed constant-mesh gearbox in neutral position, state the action necessary within the gearbox to select the reverse gear position.

TEACHING METHOD/LEARNING ACTIVITY

Considering the same specific objectives, what teaching methods/ learning activities do you consider would best achieve each expected learning outcome? Do not choose more than three methods/ activities per objective. Indicate your choice/s by ticking the appropriate section.

(1) EXPOSITION: teacher lecturing, perhaps with use of aids and demonstrations.

(2) QUESTIONS AND ANSWER SESSIONS: class responding to teacher's questions.

(3) GROUP DISCUSSIONS: students working or discussing in groups.

(4) INDIVIDUAL TUTORIALS: teacher tutoring individual students.

(5) SELF STUDY: student learning and working on his own.

(6) PRACTICE: student involved in repetitive practice.

(7) LABORATORY & WORKSHOP ACTIVITIES: student learning using equipment, tools and materials.

THE EXPECTED LEARNING OUTCOME IS THAT THE STUDENT:	Exposition	Questions & Answers	Group Diss'ns & Assigns.	Indiv. Tutorials	Self Study	Practice	Lab. & W/Shop Activ.
1. Given an illustrated sketch showing a conventional engine & transmission system, state why the gearbox is so positioned.							
2. Calculate from a fully specified gearbox the ratios of all gear positions.							
3. Given a gearbox unit on a bench, calculate the ratios of each gear position.							

THE EXPECTED LEARNING OUTCOME IS THAT THE STUDENT:	1 Exposition	2 Questions & Answers	3 Group Diss'ns & Assign'ts	4 Indiv. Tutorials	5 Self Study	6 Practice	7 Lab. & Work-shop Activities
4. Given a closed gearbox unit on a bench, is able to devise an experiment to calculate the ratios of all the gear positions.							
5. Given a gearbox unit on a bench is able to state how the reverse gear position is selected.							
6. State the function of the reverse idler pinion.							
7. Explain the engine and load conditions which demand the use of a gearbox.							
8. Explain the reasons why a driver, in order to climb steep hills engages a gear which causes the driving wheel to rotate slower with more torque.							
9. State the outcome of increasing the reverse idler pinion size on the reverse gear ratio.							

THE EXPECTED LEARNING OUTCOME IS THAT THE STUDENT:	1 Exposition	2 Questions & Answers	3 Group Diss'ns & Assign.	4 Indiv. Tutorials	5 Self Study	6 Practice	7 Lab. & W/Shop Activ.
10. Given a sketch showing the relative positions of a vehicle's major units, state which is the gearbox							
11. Calculate gear ratios.							
12. In relation to other major units, state the position of the gearbox.							
13. State by what means reverse gear is selected.							
14. Given that a low gear position facilitates ease of hill climbing by providing more engine torque, explain why a wider throttle opening would be necessary to maintain a constant speed.							
15. Given a sketch of a four speed constant-mesh gearbox, state the action necessary within the gearbox to select the reverse gear position.							

APPENDIX 4

STUDENT EVALUATION TESTS (CATEGORY 1 AND 2)

SUBJECT: FOUR SPEED CONSTANT MESH GEARBOX

NAME: _____

Indicate which of the answers you think is correct by putting a ring

round the letter a, b, c, or d.

For example, if you think that a is the correct answer it should be

shown ⓐ b   c   d

If more than one letter is ringed you will be given no marks for that

question,

You may change your answer by putting a cross through the letter

previously ringed and ringing another letter thus

a ⊠ c ⓓ

1)   In the majority of motor vehicles the top gearbox ratio is

(a)   1:2   (b)   1:1

(c)   2:1   (d)   4:1

2)   In order to climb a steep hill, a driver engages a gear which

causes driving wheels to rotate

(a)   faster with less torque

(b)   slower with more torque

(c)   faster with more torque

(d)   slower with less torque

3)   When engaging third gear in a four speed constant mesh gearbox,

a sliding dog locks the third gear wheel to the

(a)   primary shaft   (c)   mainshaft

(b)   layshaft   (d)   sprigot shaft

4) The function of a reverse idler gear in a gearbox is to

(a) increase the speed of the mainshaft

(b) change the direction of rotation of the mainshaft

(c) enable the driver to select reverse quietly

(d) change the direction of rotation of the layshaft

5) The gearbox on a conventional motor vehicle is fitted

(a) behind the rear axle

(b) under the engine

(c) between the clutch and propshaft

(d) in front of the engine

6) The major shafts fitted to a transmission gearbox are:

(a) 1) Rack   2) Pinion   3) Rocker shaft

(b) 1) Mainshaft   2) Layshaft   3) Primary shaft

(c) 1) Crankshaft   2) Camshaft   3) Idler shaft

(d) 1) Cross shaft   2) Halfshaft   3) Propshaft

7) Constant mesh gears are those gears which

(a) do not require changing

(b) are running together permanently

(c) have straight cut spur teeth

(d) synchronise engine and road speed

8) The input shaft of a gearbox rotates at 3500 rev/min. If the gear reduction is 2.8:1, the speed of the output shaft would be

(a) 550 rev/min

(b) 950 rev/min

(c) 1250 rev/min

(d) 2050 rev/ min

9)   The gear ratio shown in the sketch below is

(a) 1:1   (c) 3:1

(b) 2:1   (d) 4:1

INPUT   10t   20t   OUTPUT

20t   10t
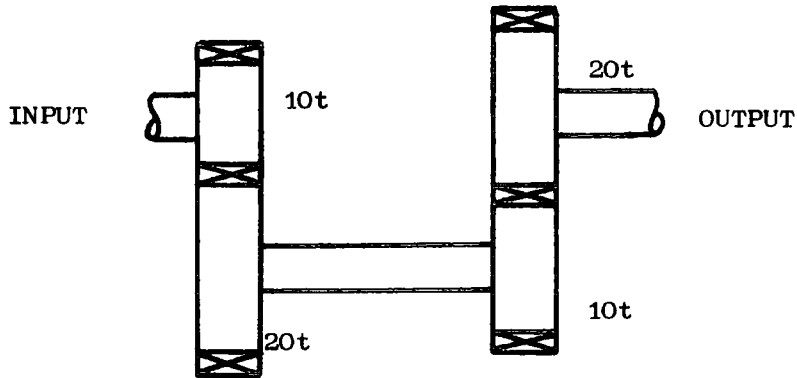
ANSWER THE FOLLOWING QUESTIONS BY COMPLETING THE SENTENCES

10)   With reference to their design, the type of gears indicated

by the letters A, B, C, D, E, and F are _____ gears.

11)   With reference to their design, the type of gears indicated

by the letters G, H, and J are _____ gears.

12)   The type of clutch indicated by the letter K, is a _____

clutch.

13)   The shaft, indicated by the letter L, is the _____ shaft.

14)   The shaft, indicated by the letter M, is the _____ shaft.

15)   The shaft, indicated by the letter N, is the _____ shaft.
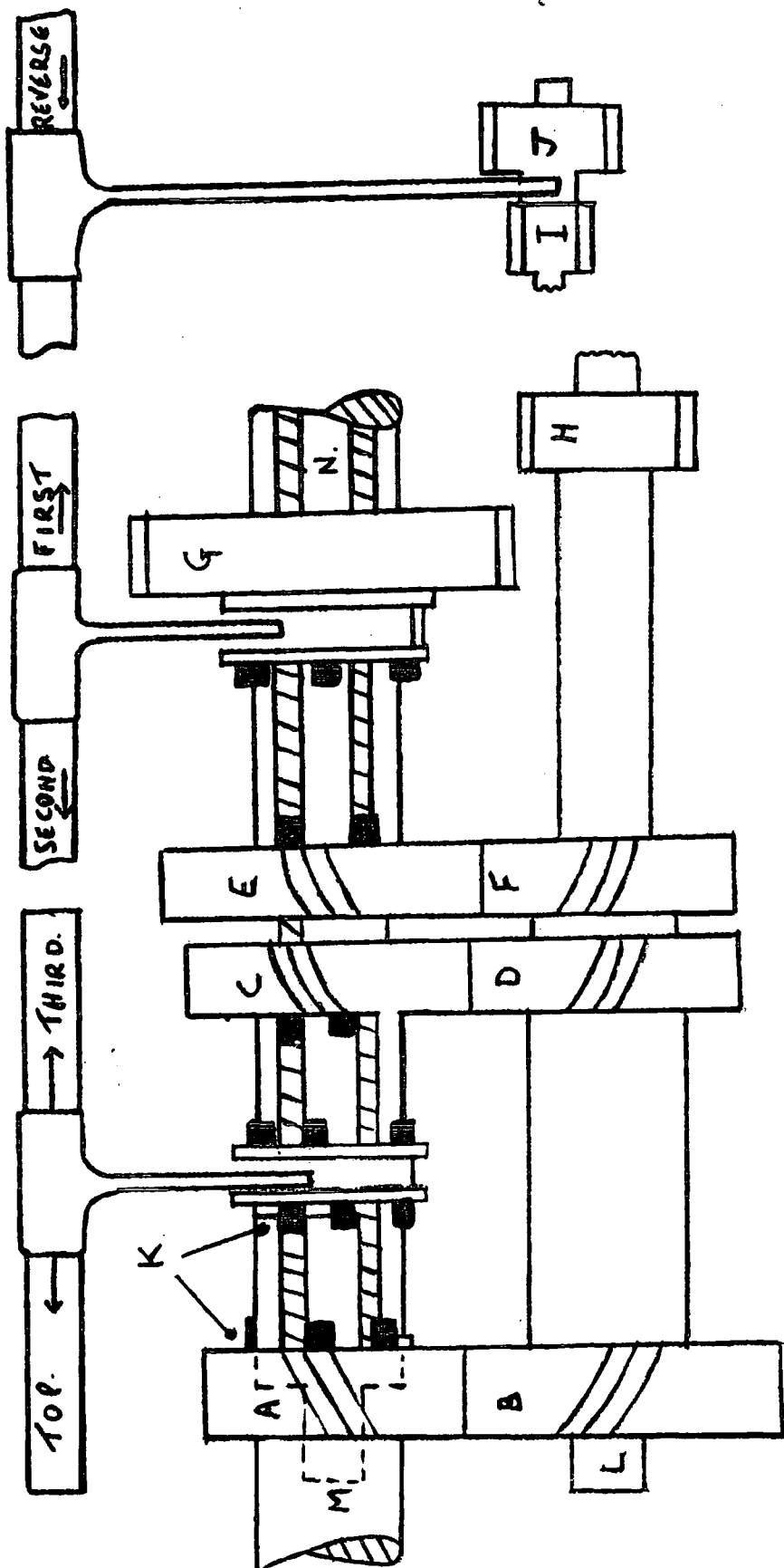
FOUR SPEED CONSTANT MESH GEARBOX

APPENDIX 5

STUDENT EVALUATION TESTS (CATEGORY 3)

C.S.E. TECHNICAL STUDIES   NAME: _____

TEST NO. 1

M O T O R   E N G I N E E R I N G

	MARKS

Clutch and Transmission

1.   The transmission clutch fitted on most vehicles is a

    (a) dog clutch
    (b) friction clutch
    (c) centrifugal clutch
    (d) carbon clutch
                        1

2.   A clutch trust bearing

    (a) releases the clutch when the wear on the lining
        is excessive
    (b) releases the clutch when the load on the engine
        is heavy
    (c) is fitted to the clutch fork and releases the
        clutch
    (d) allows the car to free wheel down hills   1

3.   The main function of the clutch is to

    (a) make and break the drive
    (b) increase engine torque
    (c) decrease engine torque
    (d) start the engine   1

4.   The driven plate of a conventional single plate clutch is

    (a) splined to the gearbox primary shaft
    (b) splined to the engine flywheel
    (c) mounted between the cover and the thrust springs   1
    (d) bolted to the engine flywheel

5.   SEE FIG. 2

    Figure 2 shows a Single Plate Friction Clutch. Complete the
    following statements.

     (i) the part labelled 'A' is _____

     (ii) the part labelled 'B' is _____

5.   (iii)   the part labelled 'C' is _____

      (iv)   the part labelled 'D' is _____

4

6.   When the smallest gear on the layshaft is engaged with
      the largest gear on the mainshaft the gear selected is

      (a)   third
      (b)   second
      (c)   first
      (d)   reverse

1

7.   A gearbox is fitted in a motor vehicle to

      (a)   limit the top speed of the engine
      (b)   increase engine torque
      (c)   decrease engine torque
      (d)   enable the engine to be used as a brake

1

8.   A sliding mesh gear is fitted to a

      (a)   steering box
      (b)   gearbox
      (c)   rear axle differential
      (d)   clutch mechanism

1

9.   The gearbox on a conventional motor vehicle is fitted

      (a)   behind the rear axle
      (b)   under the engine
      (c)   between the clutch and propshaft
      (d)   in front of the engine

1

10.   The major shafts fitted to a transmission gearbox are:

      (a)   (i)   Rack   (ii)   Pinion   (iii) Rocker-shaft
      (b)   (i)   Main shaft   (ii)   Layshaft   (iii) Primary shaft
      (c)   (i)   Crankshaft   (ii)   Camshaft   (iii) Idler shaft
      (d)   (i)   Cross-shaft   (ii)   Halfshaft   (iii) Propshaft

1

11.   The term "Clutch Slip" means that

      (a)   The engine is transmitting maximum power
      (b)   Judder is produced when releasing the clutch
      (c)   The engine power is not transmitted through the clutch
      (d)   Gear selection is impossible

1

12.   Constant mesh gears are those gears which

      (a)   Do not require changing
      (b)   Are running together permanently
      (c)   Have straight cut spur teeth
      (d)   Synchronise engine and road speed

1

13. When a car is fitted with automatic transmission the driver

   (a) changes gear by depressing the clutch
   (b) will be able to record more miles per gallon
   (c) no longer needs to operate the clutch or gearchange
   (d) starts the engine in the drive 'D' position

1

14. Reverse gear is obtained in a gearbox by

   (a) fitting a transfer box behind the main gearbox
   (b) selecting the neutral position
   (c) fitting constant mesh gears
   (d) by transmitting drive through an idler gear

1

15. If the vehicle is to be kept moving at a constant speed and a lower gear is selected the engine will

   (a) increase in speed
   (b) decrease in speed
   (c) blow up
   (d) remain at the same speed

1

16. Shown below is a three speed sliding mesh gearbox. Indicate in the space provided the mainshaft, layshaft spigot shaft and reverse idler

4

A _____

B _____

C _____

D _____
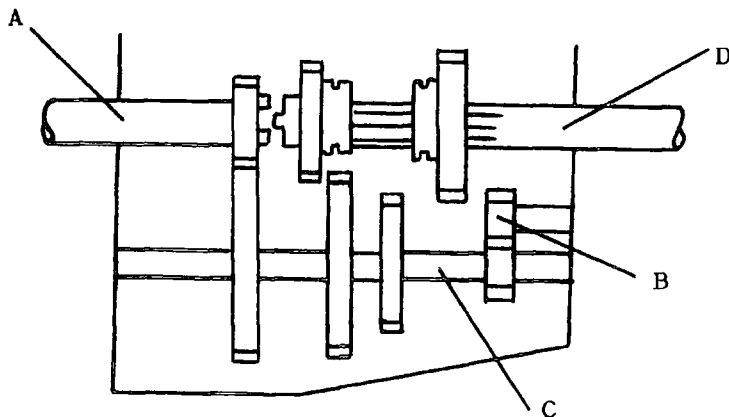
17. From the sketches below indicate in the space provided
what gear has been selected.

A _____

B _____

C _____
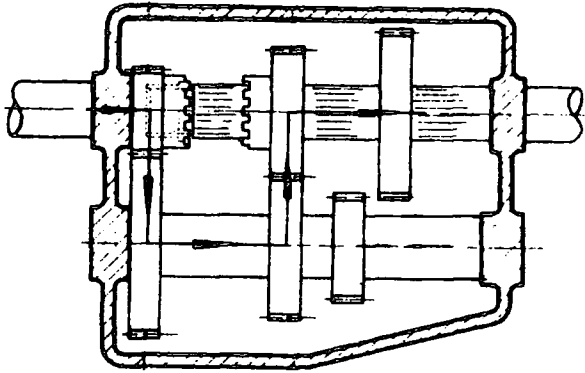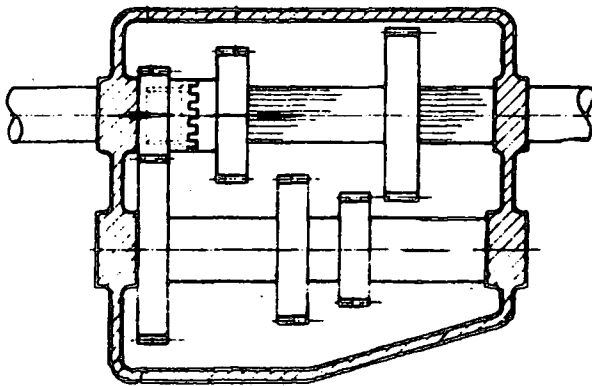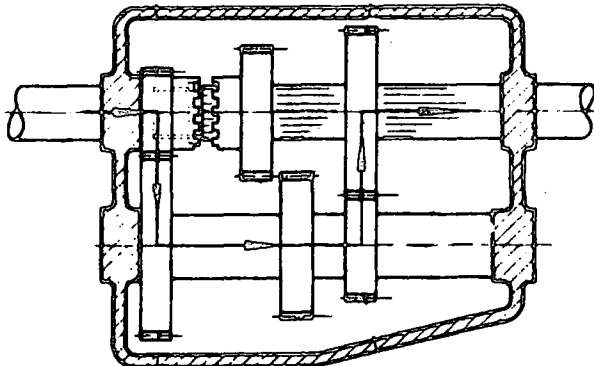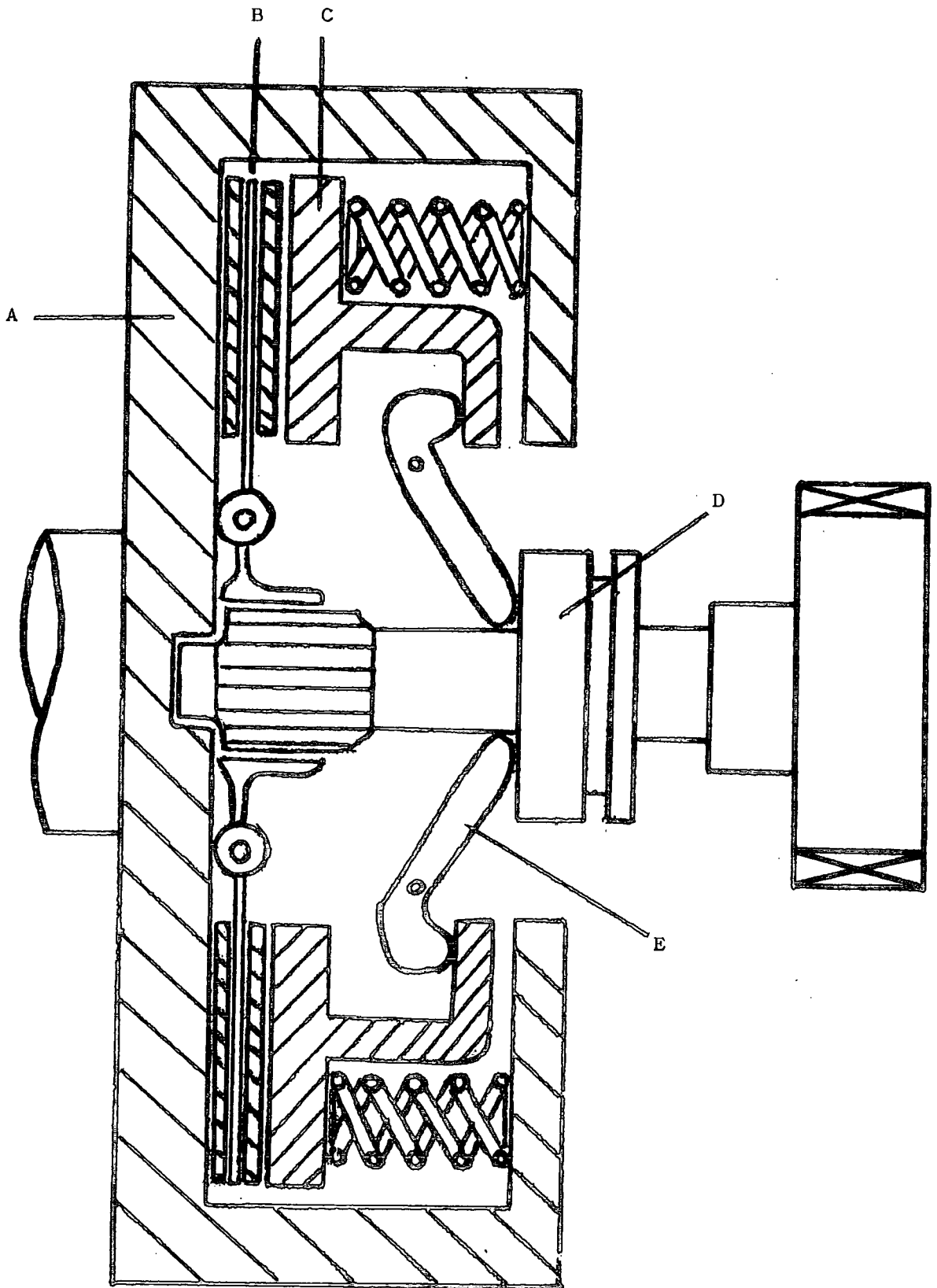
FIG. 2

TEST NO. 2

C.S.E. TECHNICAL STUDIES   NAME: _____

M O T O R   E N G I N E E R I N G

	MARKS

1.   The type of universal joint fitted to a motor vehicle
      propellor shaft is a

      (a)   Ball joint
      (b)   Hooks joint
      (c)   Square drive   1
      (d)   splined

2.   A sliding joint is fitted to a propshaft to

      (a)   keep the shaft rigid
      (b)   enable the driver to change speed
      (c)   allow the shaft to change length   1
      (c)   provide a variable speed at the axle

3.   Water circulates in a cooling system by means of

      (a)   cylinder pressures
      (b)   radiation
      (c)   frictional forces   1
      (d)   convection currents

4.   The heat is transferred from the radiator to the air by

      (a)   conduction
      (b)   radiation
      (c)   convection   1
      (d)   insulation

5.   Friction between moving parts of a motor vehicle engine is
      reduced by

      (a)   the choice of suitable materials
      (b)   forced feed lubrication
      (c)   adding water to the oil   1
      (d)   introducing gears

6.   The words Crown Wheel Pinion, Differential   are
      associated with the

      (a)   engine
      (b)   gearbox
      (c)   wheel hubs   1
      (d)   rear axle

7.   Transfer of the drive through 90° to the axle shafts
     is achieved by fitting a

     (a)   rack and pinion
     (b)   crown wheel and pinion   1
     (c)   cam and peg
     (d)   flexible coupling

8.   One purpose of the crown wheel and pinions is to provide

     (a)   means of joining the axle to the brake plate
     (b)   method by which the clutch will slip
     (c)   permanent gear reduction   1
     (d)   means of turning corners

9.   The purpose of the differential is to enable

     (a)   the driving wheels to be locked together
     (b)   the driving wheels to be driven at different speeds
     (c)   a difference in front and rear road speed to be   1
           achieved
     (d)   a free-wheel to be achieved

10. One disadvantage of a differential is

     (a)   its weight
     (b)   it will not slip on slippery surfaces
     (c)   the cost involved in its manufacture   1
     (d)   when driving on a slippery surface one wheel skids

11. To make possible the rapid cooling necessary on an air
     cooling engine

     (a)   Additional water is added to the cooling system
     (b)   The area of the cylinder is reduced
     (c)   Fins are cast on the whole of the cylinder   1
     (d)   High octane fuel must be used

12. If a certain crown wheel had 32 teeth and the pinion 8 teeth
     the gear ratio would be

     (a)   2:1
     (b)   4:1
     (c)   6:1   1
     (d)   8:1

13. A propellor shaft is usually found

     (a)   on a front engine front wheel drive vehicle
     (b)   on a rear engine rear wheel drive vehicle
     (c)   on a conventional, or front engine rear wheel drive   1
           vehicle
     (d)   between a vehicle and its trailer

14.   (a)   Fig. 1 is a sketch of a motor vehicle cooling system incorporating radiator, engine block, water pump and fan; place the correct name in the space provided.

       (b)   In which direction will the water flow through the radiator

          (i)   top to bottom
         (ii)   bottom to top

3

1

FIG. 1
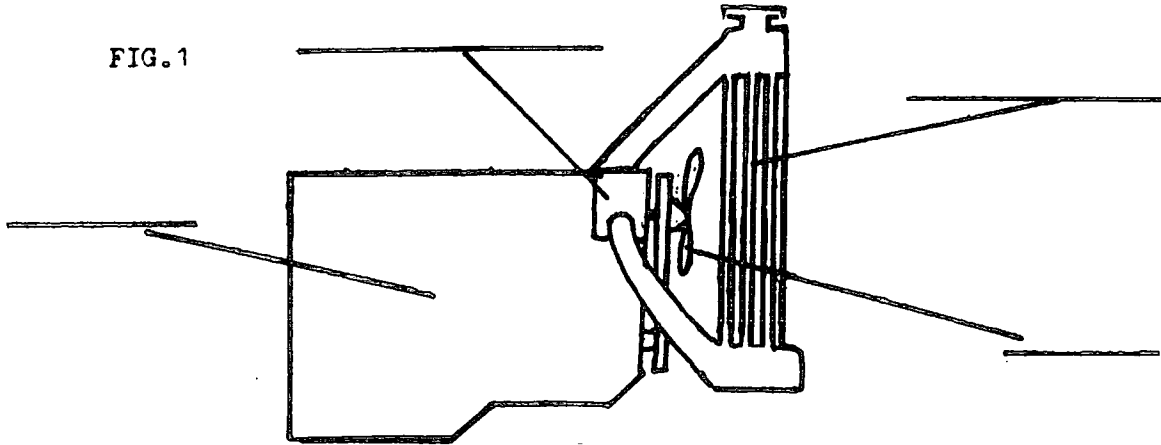
15.   Select the name for the parts arrowed in the drawing below and place on the appropriate line:-

CROWN WHEEL, HALF SHAFT, PINION, SUNWHEEL, PLANET WHEEL AND PLANET CARRIER

6
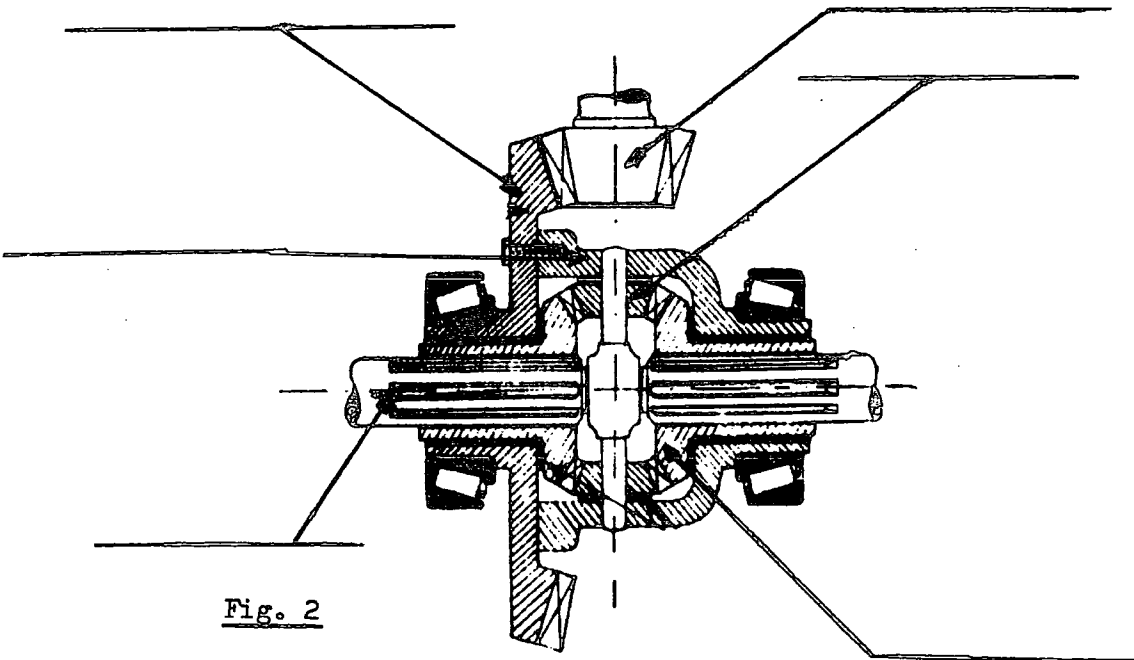
Fig. 2

	MARKS

16. A propellor shaft is made out of hollow tube to:

    (a)   transmit more drive
    (b)   save weight   1
    (c)   allow oil to be pumped through it
    (d)   make it easier to fit the universal joint

17. When rounding a right hand corner:

    (a)   the inside wheel will rotate faster than the other
    (b)   the wheels will rotate at the same speed   1
    (c)   one wheel will skid
    (d)   the outside wheel will rotate faster than the inner

APPENDIX 6

SPECIFIC OBJECTIVES (STUDENT LEARNING OUTCOMES)

SUBJECT

THE GEARBOX

1. Given a sketch showing the relative position of a vehicle's major units, states which is the gearbox.

2. States how the gearbox is secured in position.

3. Explains the engine and load conditions which demand the use of a gearbox.

4. Explains the operation of a three speed sliding-mesh gearbox.

5. Knows the physical action required to operate the gearbox.

6. Given a sketch of a three speed sliding-mesh gearbox is able to name all the main parts.

7. Given sketches showing the various gear positions of a three speed sliding-mesh gearbox, is able to indicate the gear selected.

8. Calculates from a fully specified gearbox the ratios of all gear positions.

9. Explains the main reasons for the necessity of a neutral gear position.

10. States the main reason why compound gear trains are used in vehicle gearboxes.

11. States by what means reverse gear is selected.

12. Explains how the use of a gear stick as a large movement of a small effort can be used to obtain a small movement of a large load.

13. Explains the relationshop between gear ratio selected and engine revolution/vehicle road speed.

14. Knows the reasons for the use of helical gears in gearbox construction.

15. Knows the reasons for the use of spur gears in gearbox construction.

16. Knows why gear changing is easier when a synchromesh device has been fitted to the gearbox.

17. Knows the physical operational differences between driving a vehicle fitted with a manual gearbox and driving a vehicle fitted with an automatic gearbox.

SPECIFIC OBJECTIVES (STUDENT LEARNING OUTCOMES)

SUBJECT

T H E   C L U T C H

1. Given a sketch showing the relative positions of a vehicle's major units, states which is the clutch.

2. States the engine characteristics which makes the need for a clutch essential.

3. States the operational advantages of fitting a friction clutch to a vehicle.

4. States the type of clutch fitted to most vehicles.

5. Knows the physical action required to operate the clutch.

6. Given a sketch showing a simple single plate clutch and operating mechanism, is able to name the main parts.

7. Explains the operation of a simple single plate clutch.

8. Recognises the different design features of diaphragm spring and helical spring single plate clutches.

9. Explains the purpose for the clutch thrust/release bearing.

10. Knows what friction material is used on the clutch driven plate.

11. Explains the reason why a slight free movement of the clutch pedal is necessary on most vehicles.

12. Explains the construction of a modern clutch driven plate.

13. Knows what is meant by 'clutch slip'.

14. Knows what is meant by 'clutch drag'.

15. Explains by what means adjustment can be made to a mechanically operated single plate clutch.

16. Explains by what means adjustment can be made to a hydraulically operated clutch.

SPECIFIC OBJECTIVES (STUDENT LEARNING OUTCOME)

Subject

T R A N S M I S S I O N

(1) Given a line diagram showing a conventional vehicle's transmission, is able to identify all the main components.

(2) States the purpose of the propeller shaft.

(3) Describes the function of a Hooke's type universal joint.

(4) Describes the purpose of a splined sliding joint.

(5) States on what type of vehicle layout a propeller shaft is to be found.

(6) Given a sketch of the crown wheel and differential assembly is able to identify the main components.

(7) States the function of the differential.

(8) Describes the operational action of the differential gears.

(9) Explains how to work out rear axle gear ratios.

SPECIFIC OBJECTIVES (STUDENT LEARNING OUTCOMES)

Subject

T H E   C O O L I N G   S Y S T E M

(1)   Explains the reason why some form of engine cooling is necessary.

(2)   Explains the advantages and disadvantages of air cooled systems.

(3)   Shows by means of a sketch how a typical air cooled system works.

(4)   Distinguishes between a thermo-syphon cooling system and a water pump assisted cooling system.

(5)   States how a typical modern water cooled system operates.

(6)   Explains the advantages and disadvantages of a modern water cooled system.

(7)   Explains by what means water circulates in a thermo-syphon cooling system.

(8)   Given a sketch showing a pump assisted water cooled system is able to identify all the main components.

(9)   States the function of the radiator.

(10) Defines the direction of water flow through the radiator.

(11) Shows by means of sketches the construction of radiators.

(12) Defines the purpose of fitting a pressurised radiator cap.

(13) Explains by what means heat is transferred from the radiator to the air.

(14) States the function of the thermostat.

(15)   States the function of the water pump.

(16)   Describes how the coolant (water) in the cooling system is prevented from freezing in the winter months.

(17)   Explains the safety precautions to adopt when removing the radiator cap.

SIGNIFICANT CORRELATIONS (LECTURERS)

CORRELATION

ALL FIGURES ARE SIGNIFICANT AT THE 0.01% LEVEL
V=74 D.F. THROUGHOUT

Q 1 AND Q 3
CORR= .3349

Q 1 AND Q 4
CORR= .342543

Q 1 AND Q 21
CORR= .323533

Q 1 AND Q 23
CORR= .302562

Q 1 AND Q 26
CORR= .421546

Q 1 AND Q 33
CORR= .292377

Q 1 AND Q 37
CORR= .31465

Q 1 AND Q 40
CORR= .395409

Q 1 AND Q 41
CORR= .301037

Q 1 AND Q 49
CORR= .305997

Q 1 AND Q 51
CORR= .415003

Q 1 AND Q 52
CORR= .340315

Q 1 AND Q 54
CORR= .372031

Q 1 AND Q 56
CORR= .363406

Q 1 AND Q 68
CORR= .350647

Q 1 AND Q 79
CORR= .321067

Q 1 AND Q 82
CORR= .339336

Q 2 AND Q 3
CORR=-.333505

Q 2 AND Q 15
CORR=-.33605

Q 2 AND Q 32
CORR= .368327

Q 2 AND Q 35
CORR= .313699

Q 2 AND Q 53
CORR= .366944

Q 3 AND Q 4
CORR= .424328

Q 3 AND Q 5
CORR= .359257

Q 3 AND Q 9
CORR= .3396

Q 3 AND Q 10
CORR=-.421029

Q 3 AND Q 11
CORR=-.389519

Q 3 AND Q 15
CORR= .300262

Q 3 AND Q 21
CORR= .294253

Q 3 AND Q 35
CORR=-.320361

Q 3 AND Q 46
CORR= .374414

Q 3 AND Q 66
CORR= .310929

Q 3 AND Q 67
CORR= .31412

Q 3 AND Q 69
CORR= .399145

Q 3 AND Q 85
CORR= .370543

Q 4 AND Q 5
CORR= .298203

Q 4 AND Q 21
CORR= .385601

Q 4 AND Q 34
CORR= .302134

Q 4 AND Q 37
CORR= .31906

Q 4 AND Q 43
CORR= .345514

Q 4 AND Q 49
CORR= .368892

Q 4 AND Q 50
CORR= .405492

Q 4 AND Q 54
CORR= .349637

Q 4 AND Q 55
CORR= .307522

Q 4 AND Q 56
CORR= .355793

Q 4 AND Q 67
CORR= .334908

Q 4 AND Q 69
CORR= .358141

Q 4 AND Q 71
CORR= .320314

Q 4 AND Q 72
CORR= .291504

Q 4 AND Q 88
CORR= .304683

Q 4 AND Q 39
CORR= .325261

Q 5 AND Q 3
CORR= .484041

Q 5 AND Q 9
CORR= .503365

Q 5 AND Q 15
CORR= .367218

Q 5 AND Q 66
CORR= .297533

Q 5 AND Q 67
CORR= .296327

Q 6 AND Q 43
CORR=-.355343

Q 6 AND Q 63
CORR= .41521

Q 7 AND Q 14
CORR= .301213

Q 7 AND Q 23
CORR= .297916

Q 8 AND Q 9
CORR= .36949

Q 8 AND Q 15
CORR= .315711

Q 8 AND Q 28
CORR= .321411

Q 8 AND Q 39
CORR= .321737

Q 9 AND Q 12
CORR= .39909

Q 9 AND Q 15
CORR= .423326

Q 9 AND Q 36
CORR=-.303409

Q 9 AND Q 66
CORR= .340463

Q 10 AND Q 11
CORR= .400933

Q 10 AND Q 64
CORR=-.320043

Q 10 AND Q 66
CORR=-.298943

Q 11 AND Q 13
CORR= .333617

Q 11 AND Q 14
CORR= .33324

Q 11 AND Q 31
CORR=-.31271

Q 12 AND Q 15
CORR= .383336

Q 12 AND Q 36
CORR=-.423053

Q 12 AND Q 86
CORR= .293679

Q 13 AND Q 19
CORR= .315867

Q 13 AND Q 29
CORR= .345353

Q 13 AND Q 33
CORR= .402146

Q 13 AND Q 53
CORR= .315265

Q 15 AND Q 46
CORR= .297409

Q 15 AND Q 89
CORR= .313145

Q 16 AND Q 19
CORR=-.312982

Q 16 AND Q 42
CORR= .315919

Q 16 AND Q 62
CORR= .290399

Q 16 AND Q 64
CORR= .314001

Q 16 AND Q 83
CORR= .31144

Q 18 AND Q 64
CORR= .316243

Q 18 AND Q 69
CORR= .350637

Q 19 AND Q 57
CORR=-.34317

Q 19 AND Q 75
CORR= .311166

Q 20 AND Q 54
CORR= .304449

Q 20 AND Q 32
CORR= .297631

Q 20 AND Q 33
CORR= .517046

Q 21 AND Q 23
CORR= .372231

Q 21 AND Q 37
CORR= .469632

Q 21 AND Q 50
CORR= .3263

Q 21 AND Q 51
CORR= .368556

Q 21 AND Q 57
CORR= .3247

Q 21 AND Q 69
CORR= .333637

Q 21 AND Q 79
CORR= .309453

Q 21 AND Q 86
CORR= .373496

Q 22 AND Q 23
CORR= .42639

Q 22 AND Q 68
CORR= .35027

Q 23 AND Q 63
CORR= .291338

Q 23 AND Q 67
CORR= .323582

Q 23 AND Q 69
CORR= .420734

Q 23 AND Q 72
CORR= .296637

Q 23 AND Q 74
CORR= .336074

Q 23 AND Q 75
CORR= .315173

Q 24 AND Q 52
CORR= .291977

Q 24 AND Q 57
CORR= .339322

Q 24 AND Q 59
CORR= .311924

Q 25 AND Q 29
CORR= .315349

Q 25 AND Q 30
CORR= .311827

Q 25 AND Q 59
CORR= .294234

Q 25 AND Q 57
CORR=-.298166

Q 26 AND Q 27
CORR= .424299

Q 26 AND Q 31
CORR= .34751

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Q 26 AND Q 36
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Q 26 AND Q 37
CORR= .53987

Q 26 AND Q 40
CORR= .463975

Q 26 AND Q 41
CORR= .365413

Q 26 AND Q 49
CORR= .316642

Q 26 AND Q 51
CORR= .335707

Q 26 AND Q 56
CORR= .34854

Q 26 AND Q 57
CORR= .293865

Q 26 AND Q 61
CORR= .312595

Q 26 AND Q 79
CORR= .337869

Q 27 AND Q 31
CORR= .415751

Q 27 AND Q 37
CORR= .318453

Q 27 AND Q 43
CORR= .299057

FAQ 28 AND Q 29
CORR= .347956

Q 23 AND Q 30
CORR= .422337

Q 23 AND Q 59
CORR= .291728

Q 28 AND Q 76
CORR= .369264

Q 29 AND Q 30
CORR= .494908

Q 29 AND Q 70
CORR= .337494

Q 30 AND Q 57.
CORR= .322232

Q 30 AND Q 59
CORR= .33005

Q 30 AND Q 63
CORR= .321384

Q 30 AND Q 65
CORR= .343179

Q 30 AND Q 70
CORR= .410155

Q 30 AND Q 84
CORR= .39011

Q 30 AND Q 85
CORR= .402076

Q 31 AND Q 40
CORR= .313004

Q 31 AND Q 41
CORR= .33075

Q 32 AND Q 35
CORR= .308782

Q 32 AND Q 41
CORR= .347813

Q 32 AND Q 60
CORR=-.32735

Q 33 AND Q 34
CORR= .295241

Q 33 AND Q 36
CORR= .4153

Q 33 AND Q 37
CORR= .432731

Q 33 AND Q 38
CORR= .549168

Q 33 AND Q 40
CORR= .522376

Q 33 AND Q 41
CORR= .397233

Q 33 AND Q 49
CORR= .385549

Q 33 AND Q 51
CORR= .344406

Q 33 AND Q 53
CORR= .326854

Q 33 AND Q 54
CORR= .367743

Q 33 AND Q 56
CORR= .333112

Q 33 AND Q 59
CORR= .453199

Q 33 AND Q 83
CORR= .312423

Q 34 AND Q 38
CORR= .295627

Q 34 AND Q 39
CORR= .395832

Q 34 AND Q 40
CORR= .306615

Q 34 AND Q 43
CORR= .372948

Q 34 AND Q 52
CORR= .292436

Q 34 AND Q 55
CORR= .359461

Q 34 AND Q 71
CORR= .312103

Q 34 AND Q 74
CORR= .311102

Q 34 AND Q 89
CORR= .290336

Q 36 AND Q 37
CORR= .354351

Q 36 AND Q 40
CORR= .369343

Q 36 AND Q 41
CORR= .469279

Q 36 AND Q 49
CORR= .336661

Q 36 AND Q 51
CORR= .4114

Q 36 AND Q 54
CORR= .390187

Q 36 AND Q 56
CORR= .330503

Q 36 AND Q 59
CORR= .295326

Q 37 AND Q 40
CORR= .306435

Q 37 AND Q 41
CORR= .36796

Q 37 AND Q 42
CORR= .291137

Q 37 AND Q 49
CORR= .336225

Q 37 AND Q 51
CORR= .329406

Q 37 AND Q 52
CORR= .352976

Q 37 AND Q 53
CORR= .315194

Q 37 AND Q 54
CORR= .459742

Q 37 AND Q 56
CORR= .449614

Q 37 AND Q 57
CORR= .413771

Q 37 AND Q 59
CORR= .333151

Q 37 AND Q 79
CORR= .42952

Q 37 AND Q 36
CORR= .295239

Q 37 AND Q 83
CORR= .503497

Q 38 AND Q 39
CORR= .341513

Q 38 AND Q 40
CORR= .490519

Q 38 AND Q 49
CORR= .309035

Q 38 AND Q 53
CORR= .304611

Q 38 AND Q 59
CORR= .31709

Q 39 AND Q 41
CORR= .303403

Q 39 AND Q 42
CORR= .34865

Q 39 AND Q 43
CORR= .34324

Q 39 AND Q 45
CORR= .333873

Q 39 AND Q 55
CORR= .372935

Q 39 AND Q 73
CORR= .322104

Q 40 AND Q 41
CORR= .342754

Q 40 AND Q 43
CORR= .400125

Q 40 AND Q 49
CORR= .295843

Q 40 AND Q 51
CORR= .414525

Q 40 AND Q 56
CORR= .418225

Q 40 AND Q 83
CORR= .371411

Q 41 AND Q 42
CORR= .525632

Q 41 AND Q 43
CORR= .339032

Q 41 AND Q 51
CORR= .39652

Q 41 AND Q 54
CORR= .30567

Q 41 AND Q 56
CORR= .293087

Q 41 AND Q 59
CORR= .297863

Q 41 AND Q 76
CORR= .401064

Q 41 AND Q 79
CORR= .386447

Q 42 AND Q 45
CORR= .290266

Q 42 AND Q 49
CORR= .310225

Q 42 AND Q 51
CORR= .403883

Q 42 AND Q 54
CORR= .315363

Q 42 AND Q 57
CORR= .319539

Q 42 AND Q 65
CORR= .323312

Q 42 AND Q 76
CORR= .365328

Q 42 AND Q 79
CORR= .303394

Q 43 AND Q 49
CORR= .325482

Q 43 AND Q 50
CORR= .30173

Q 43 AND Q 52
CORR= .405303

Q 43 AND Q 76
CORR= .332282

Q 43 AND Q 33
CORR= .296173

Q 44 AND Q 46
CORR= .322248

Q 44 AND Q 62
CORR= .293435

Q 44 AND Q 38
CORR= .325827

Q 46 AND Q 59
CORR= .341301

Q 46 AND Q 64
CORR= .393306

Q 46 AND Q 68
CORR= .360132

Q 46 AND Q 35
CORR= .31943

Q 49 AND Q 50
CORR= .438626

Q 49 AND Q 51
CORR= .37927

Q 49 AND Q 52
CORR= .411724

Q 49 AND Q 54
CORR= .628214

Q 49 AND Q 55
CORR= .311675

Q 49 AND Q 56
CORR= .460012

Q 49 AND Q 57
CORR= .392943

Q 49 AND Q 59
CORR= .373756

Q 50 AND Q 51
CORR= .467955

Q 50 AND Q 52
CORR= .351417

Q 50 AND Q 54
CORR= .346492

Q 50 AND Q 56
CORR= .373535

Q 50 AND Q 57
CORR= .429461

Q 50 AND Q 53
CORR= .459813

Q 50 AND Q 59
CORR= .35661

Q 50 AND Q 61
CORR= .330263

Q 50 AND Q 64
CORR= .411835

Q 50 AND Q 65
CORR= .298104

Q 50 AND Q 69
CORR= .333334

Q 50 AND Q 70
CORR= .296135

Q 50 AND Q 76
CORR= .388133

Q 50 AND Q 77
CORR= .4246

Q 50 AND Q 80
CORR= .324121

Q 50 AND Q 86
CORR= .409808

Q 51 AND Q 52
CORR= .31461

Q 51 AND Q 54
CORR= .485254

Q 51 AND Q 56
CORR= .432924

Q 51 AND Q 57
CORR= .466081

Q 51 AND Q 71
CORR= .360842

Q 51 AND Q 79
CORR= .517523

Q 51 AND Q 86
CORR= .368377

Q 51 AND Q 33
CORR= .442029

Q 52 AND Q 54
CORR= .366334

Q 52 AND Q 56
CORR= .402048

Q 52 AND Q 57
CORR= .321981

Q 52 AND Q 59
CORR= .393029

Q 52 AND Q 61
CORR= .377523

Q 52 AND Q 68
CORR= .297431

Q 52 AND Q 74
CORR= .306913

Q 52 AND Q 79
CORR= .372486

Q 52 AND Q 87
CORR= .29552

Q 52 AND Q 88
CORR= .304567

Q 54 AND Q 56
CORR= .533135

Q 54 AND Q 57
CORR= .33

Q 54 AND Q 59
CORR= .362155

Q 54 AND Q 71
CORR= .343163

Q 54 AND Q 79
CORR= .342251

Q 54 AND Q 88
CORR= .436258

Q 56 AND Q 57
CORR= .332734

Q 56 AND Q 59
CORR= .302204

Q 56 AND Q 88
CORR= .33735

Q 57 AND Q 59
CORR= .435901

Q 57 AND Q 61
CORR= .323523

Q 57 AND Q 79
CORR= .42331

Q 57 AND Q 84
CORR= .471636

Q 57 AND Q 86
CORR= .369189

Q 58 AND Q 59
CORR= .352776

Q 58 AND Q 62
CORR= .386101

Q 58 AND Q 63
CORR= .50159

Q 58 AND Q 64
CORR= .510697

Q 59 AND Q 60
CORR= .347616

Q 59 AND Q 61
CORR= .344135

Q 59 AND Q 64
CORR= .390066

Q 59 AND Q 70
CORR= .326107

Q 59 AND Q 77
CORR= .291962

Q 59 AND Q 80
CORR= .344499

Q 59 AND Q 87
CORR= .292065

Q 61 AND Q 70
CORR= .325371

Q 61 AND Q 79
CORR= .397641

Q 61 AND Q 80
CORR= .311171

Q 62 AND Q 63
CORR= .539056

Q 62 AND Q 64
CORR= .520077

Q 62 AND Q 69
CORR= .430653

Q 62 AND Q 74
CORR= .33196

Q 62 AND Q 75
CORR= .465986

Q 63 AND Q 64
CORR= .556721

Q 63 AND Q 68
CORR= .311785

Q 63 AND Q 75
CORR= .380594

Q 64 AND Q 69
CORR= .403769

Q 64 AND Q 74
CORR= .326326

Q 64 AND Q 75
CORR= .313274

Q 64 AND Q 76
CORR= .369981

Q 64 AND Q 80
CORR= .324735

Q 65 AND Q 70
CORR= .470555

Q 65 AND Q 76
CORR= .421201

Q 66 AND Q 67
CORR= .485789

Q 66 AND Q 71
CORR= .473683

Q 66 AND Q 72
CORR= .354015

Q 67 AND Q 69
CORR= .421436

Q 67 AND Q 71
CORR= .434263

Q 67 AND Q 72
CORR= .619532

Q 67 AND Q 74
CORR= .394684

Q 68 AND Q 73
CORR= .605716

Q 69 AND Q 72
CORR= .407318

Q 69 AND Q 74
CORR= .542311

Q 69 AND Q 75
CORR= .306333

Q 69 AND Q 79
CORR= .316388

Q 69 AND Q 80
CORR= .320477

Q 69 AND Q 86
CORR= .399678

Q 69 AND Q 89
CORR= .405355

Q 70 AND Q 76
CORR= .443664

Q 70 AND Q 77
CORR= .304209

Q 70 AND Q 83
CORR= .314318

Q 71 AND Q 72
CORR= .665827

Q 71 AND Q 74
CORR= .40132

Q 71 AND Q 79
CORR= .341968

Q 72 AND Q 74
CORR= .594716

Q 75 AND Q 81
CORR= .32168

Q 76 AND Q 79
CORR= .497456

Q 76 AND Q 86
CORR= .304461

Q 76 AND Q 89
CORR= .456636

Q 77 AND Q 78
CORR= .411273

Q 77 AND Q 80
CORR= .475458

Q 77 AND Q 81
CORR= .313718

Q 77 AND Q 86
CORR= .422049

Q 73 AND Q 81
CORR= .435787

Q 79 AND Q 66
CORR= .351366

Q 79 AND Q 84
CORR= .301805

Q 79 AND Q 85
CORR= .366504

Q 79 AND Q 86
CORR= .456636

Q 79 AND Q 87
CORR= .300588

Q 79 AND Q 88
CORR= .44044

Q 79 AND Q 89
CORR= .304122

Q 80 AND Q 81
CORR= .377738

Q 80 AND Q 85
CORR= .365765

Q 80 AND Q 86
CORR= .438544

Q 80 AND Q 87
CORR= .461388

Q 81 AND Q 36
CORR= .345433

Q 83 AND Q 86
CORR= .333631

Q 83 AND Q 39
CORR= .365972

Q 84 AND Q 85
CORR= .594653

Q 84 AND Q 86
CORR= .410461

Q 84 AND Q 87
CORR= .319054

Q 84 AND Q 88
CORR= .303001

Q 85 AND Q 86
CORR= .461176

Q 85 AND Q 87
CORR= .507653

Q 85 AND Q 33
CORR= .348835

Q 85 AND Q 89
CORR= .309809

Q 86 AND Q 87
CORR= .382344

Q 86 AND Q 88
CORR= .456963

Q 86 AND Q 89
CORR= .459589

Q 87 AND Q 88
CORR= .4915

APPENDIX 8   SIGNIFICANT CORRELATIONS (CRAFT STUDENTS UNDER 18 YRS)

All figures are significant at the $\emptyset$.$\emptyset$1% Level

V = 92 D.F. THROUGHOUT

Q 2 AND Q 7
CORR= .593554

Q 2 AND Q 15
CORR=-.342926

Q 2 AND Q 19
CORR= .552122

Q 2 AND Q 25
CORR=-.299129

Q 2 AND Q 27
CORR= .354119

Q 2 AND Q 31
CORR= .357621

Q 2 AND Q 45
CORR= .340538

Q 2 AND Q 58
CORR=-.479262

Q 2 AND Q 59
CORR=-.295727

Q 2 AND Q 68
CORR=-.32427

Q 2 AND Q 73
CORR=-.437005

Q 2 AND Q 84
CORR=-.479326

Q 2 AND Q 85
CORR=-.361632

Q 2 AND Q 86
CORR=-.426199

Q 2 AND Q 37
CORR=-.466762

Q 2 AND Q 88
CORR=-.497304

Q 3 AND Q 16
CORR= .290673

Q 4 AND Q 78
CORR= .315637

Q 5 AND Q 6
CORR= .523764

Q 5 AND Q 7
CORR=-.46098

Q 5 AND Q 13
CORR=-.377261

Q 5 AND Q 15
CORR= .403015

Q 5 AND Q 19
CORR=-.379561

Q 5 AND Q 28
CORR= .307213

Q 5 AND Q 58
CORR= .338669

Q 5 AND Q 59
CORR= .386693

Q 5 AND Q 85
CORR= .335936

Q 7 AND Q 15
CORR=-.553458

Q 7 AND Q 19
CORR= .605491

Q 7 AND Q 25
CORR=-.331682

Q 7 AND Q 31
CORR= .329414

Q 7 AND Q 45
CORR= .39453

Q 7 AND Q 57
CORR=-.311657

Q 7 AND Q 58
CORR=-.4804

Q 7 AND Q 59
CORR=-.596134

Q 7 AND Q 68
CORR=-.301849

Q 7 AND Q 70
CORR=-.303071

Q 7 AND Q 73
CORR=-.478424

Q 7 AND Q 84
CORR=-.551066

Q 7 AND Q 85
CORR=-.560538

Q 7 AND Q 86
CORR=-.595373

Q 7 AND Q 87
CORR=-.436812

Q 7 AND Q 88
CORR=-.632356

Q 8 AND Q 87
CORR= .355625

Q 9 AND Q 83
CORR=-.390203

Q 10 AND Q 15
CORR=-.32391

Q 11 AND Q 53
CORR= .294401

Q 11 AND Q 68
CORR= .29071

Q 14 AND Q 62
CORR= .379967

Q 15 AND Q 19
CORR=-.330332

Q 15 AND Q 58
CORR= .365309

Q 15 AND Q 59
CORR= .364443

Q 15 AND Q 73
CORR= .31925

Q 15 AND Q 84
CORR= .396146

Q 15 AND Q 86
CORR= .356303

Q 15 AND Q 83
CORR= .450704

Q 16 AND Q 51
CORR= .293274

Q 17 AND Q 39
CORR= .295627

Q 19 AND Q 30
CORR=-.322133

Q 19 AND Q 31
CORR= .435455

Q 19 AND Q 45
CORR= .335281

Q 19 AND Q 47
CORR= .397771

Q 19 AND Q 58
CORR=-.454513

Q 19 AND Q 59
CORR=-.388943

Q 19 AND Q 61
CORR=-.301954

Q 19 AND Q 72
CORR= .310261

Q 19 AND Q 73
CORR=-.446874

Q 19 AND Q 84
CORR=-.332342

Q 19 AND Q 85
CORR=-.527684

Q 19 AND Q 86
CORR=-.424085

Q 19 AND Q 87
CORR=-.472638

Q 19 AND Q 88
CORR=-.431368

Q 21 AND Q 47
CORR= .402701

Q 22 AND Q 54
CORR=-.29173

Q 23 AND Q 40
CORR= .321347

Q 23 AND Q 51
CORR=-.309041

Q 24 AND Q 25
CORR= .432893

Q 24 AND Q 60
CORR= .30608

Q 24 AND Q 79
CORR= .327237

Q 25 AND Q 28
CORR= .373587

Q 25 AND Q 31
CORR=-.297943

Q 25 AND Q 86
CORR= .297129

Q 26 AND Q 47
CORR=-.325111

Q 26 AND Q 49
CORR= .31243

Q 26 AND Q 73
CORR= .312629

Q 26 AND Q 84
CORR= .346141

Q 26 AND Q 86
CORR= .319584

Q 27 AND Q 31
CORR= .306047

Q 27 AND Q 58
CORR=-.311633

Q 27 AND Q 72
CORR= .305393

Q 28 AND Q 56
CORR=-.301426

Q 28 AND Q 70
CORR= .329413

Q 29 AND Q 62
CORR=-.293937

Q 30 AND Q 86
CORR= .35734

Q 31 AND Q 45
CORR= .314991

Q 31 AND Q 47
CORR= .427935

Q 31 AND Q 58
CORR=-.348302

Q 31 AND Q 72
CORR= .319502

Q 31 AND Q 73
CORR=-.291509

Q 31 AND Q 87
CORR=-.351941

Q 32 AND Q 37
CORR= .357074

Q 33 AND Q 86
CORR= .376119

Q 34 AND Q 56
CORR= .29779

Q 34 AND Q 75
CORR= .291267

Q 38 AND Q 59
CORR= .292614

Q 38 AND Q 83
CORR= .293056

Q 38 AND Q 84
CORR= .360422

Q 40 AND Q 64
CORR= .314333

Q 42 AND Q 54
CORR= .461098

Q 42 AND Q 88
CORR=-.322409

Q 43 AND Q 50
CORR= .333309

Q 43 AND Q 64
CORR= .367577

Q 43 AND Q 72
CORR= .292776

Q 45 AND Q 52
CORR= .331511

Q 45 AND Q 82
CORR=-.292165

Q 45 AND Q 88
CORR=-.444949

Q 47 AND Q 51
CORR=-.356201

Q 47 AND Q 73
CORR=-.325588

Q 48 AND Q 84
CORR= .343998

Q 51 AND Q 65
CORR= .316435

Q 52 AND Q 69
CORR= .342356

Q 56 AND Q 83
CORR=-.301501

Q 56 AND Q 84
CORR=-.290273

Q 57 AND Q 86
CORR= .295501

Q 58 AND Q 59
CORR= .337151

Q 58 AND Q 65
CORR= .30032

Q 58 AND Q 68
CORR= .410318

Q 58 AND Q 73
CORR= .366221

Q 58 AND Q 84
CORR= .293725

Q 58 AND Q 85
CORR= .317048

Q 58 AND Q 87
CORR= .352328

Q 58 AND Q 88
CORR= .332618

Q 59 AND Q 84
CORR= .367712

Q 59 AND Q 86
CORR= .312148

Q 59 AND Q 88
CORR= .371242

Q 60 AND Q 62
CORR= .354433

Q 64 AND Q 71
CORR= .296157

Q 64 AND Q 89
CORR= .347598

Q 65 AND Q 68
CORR= .357772

Q 65 AND Q 70
CORR= .373243

Q 66 AND Q 68
CORR= .410003

Q 67 AND Q 72
CORR= .339516

Q 68 AND Q 73
CORR= .33568

Q 68 AND Q 86
CORR= .292953

Q 68 AND Q 87
CORR= .290195

Q 70 AND Q 86
CORR= .322815

Q 71 AND Q 75
CORR= .305483

Q 73 AND Q 84
CORR= .361449

Q 73 AND Q 85
CORR= .338344

Q 73 AND Q 86
CORR= .34713

Q 73 AND Q 87
CORR= .324228

Q 73 AND Q 88
CORR= .517428

Q 75 AND Q 89
CORR= .418997

Q 77 AND Q 80
CORR= .336522

Q 77 AND Q 81
CORR= .309638

Q 78 AND Q 81
CORR= .300357

Q 83 AND Q 84
CORR= .420431

Q 84 AND Q 86
CORR= .353362

Q 84 AND Q 88
CORR= .424594

Q 85 AND Q 86
CORR= .36477

Q 85 AND Q 87
CORR= .419917

Q 85 AND Q 88
CORR= .452657

Q 86 AND Q 87
CORR= .326066

Q 86 AND Q 88
CORR= .452066

Q 87 AND Q 88
CORR= .470374

APPENDIX 9 LECTURERS' RESPONSES

QUESTION NUMBER 1
======= =======
MEAN = 3.51351
N= 74
VARIANCE = 1.30337
STD DEV = 1.14137

RESPONSE	FREQUENCY
1	3
2	13
3	18
4	23
5	17

QUESTION NUMBER 2
======= =======
MEAN = 3
N= 74
VARIANCE = 1.27027
STD DEV = 1.12706

RESPONSE	FREQUENCY
1	9
2	15
3	22
4	23
5	5

QUESTION NUMBER 3
======= =======
MEAN = 4.01351
N= 74
VARIANCE = 1.01333
STD DEV = 1.06664

RESPONSE	FREQUENCY
1	1
2	6
3	13
4	25
5	29

QUESTION NUMBER 4
======= =======
MEAN = 3.40541
N= 74
VARIANCE = 1.26308
STD DEV = 1.12509

RESPONSE	FREQUENCY
1	3
2	13
3	25
4	17
5	16

QUESTION NUMBER 5
======= =======
MEAN = 2.51351
N= 74
VARIANCE = .979547
STD DEV = .989721

RESPONSE	FREQUENCY
1	11
2	28
3	23
4	10
5	2

QUESTION NUMBER 6
======= =======
MEAN = 3.02703
N= 74
VARIANCE = 1.05332
STD DEV = 1.02632

RESPONSE	FREQUENCY
1	5
2	17
3	29
4	17
5	6

QUESTION NUMBER 7
======= =======
MEAN = 3.31031
N= 74
VARIANCE = 1.29529
STD DEV = 1.13311

RESPONSE	FREQUENCY
1	3
2	3
3	19
4	31
5	3

QUESTION NUMBER 8
======= =======
MEAN = 2.36437
N= 74
VARIANCE = .37363
STD DEV = .934632

RESPONSE	FREQUENCY
1	3
2	26
3	26
4	16
5	3

QUESTION NUMBER 9
======= =======
MEAN = 2.93243
N= 74
VARIANCE = .98192
STD DEV = .990919

RESPONSE	FREQUENCY
1	5
2	20
3	23
4	17
5	4

QUESTION NUMBER 16
===== ======
MEAN = 2.7973
N= 74
VARIANCE = 1.51297
STD DEV = 1.23033

RESPONSE	FREQUENCY
1	14
2	16
3	22
4	15
5	7

QUESTION NUMBER 17
===== ======
MEAN = 3.09459
N= 74
VARIANCE = 1.62619
STD DEV = 1.27522

RESPONSE	FREQUENCY
1	10
2	14
3	22
4	15
5	13

QUESTION NUMBER 18
===== ======
MEAN = 3.08108
N= 74
VARIANCE = .885317
STD DEV = .940913

RESPONSE	FREQUENCY
1	4
2	15
3	29
4	23
5	3

QUESTION NUMBER 13
===== ======
MEAN = 2.62162
N= 74
VARIANCE = .856331
STD DEV = .925652

RESPONSE	FREQUENCY
1	11
2	16
3	39
4	6
5	2

QUESTION NUMBER 14
===== ======
MEAN = 1.75676
N= 74
VARIANCE = .724617
STD DEV = .851245

RESPONSE	FREQUENCY
1	33
2	30
3	8
4	2
5	1

QUESTION NUMBER 15
===== ======
MEAN = 2.77027
N= 74
VARIANCE = .987767
STD DEV = .993865

RESPONSE	FREQUENCY
1	6
2	25
3	27
4	12
5	4

QUESTION NUMBER 10
===== ======
MEAN = 2.33784
N= 74
VARIANCE = 1.86559
STD DEV = 1.36587

RESPONSE	FREQUENCY
1	17
2	14
3	13
4	14
5	11

QUESTION NUMBER 11
===== ======
MEAN = 1.97297
N= 74
VARIANCE = .864132
STD DEV = .929587

RESPONSE	FREQUENCY
1	27
2	28
3	13
4	6
5	0

QUESTION NUMBER 12
===== ======
MEAN = 2.59459
N= 74
VARIANCE = 1.21403
STD DEV = 1.10183

RESPONSE	FREQUENCY
1	14
2	20
3	26
4	10
5	4

QUESTION NUMBER 19
===== ======
MEAN = 3.24324
N= 74
VARIANCE = 1.2111
STD DEV = 1.1005

RESPONSE	FREQUENCY
1	6
2	9
3	31
4	17
5	11

QUESTION NUMBER 20
===== ======
MEAN = 2.37838
N= 74
VARIANCE = 1.40413
STD DEV = 1.18496

RESPONSE	FREQUENCY
1	9
2	21
3	23
4	12
5	2

QUESTION NUMBER 21
===== ======
MEAN = 3.60811
N= 74
VARIANCE = 1.23831
STD DEV = 1.1128

RESPONSE	FREQUENCY
1	3
2	9
3	21
4	22
5	19

QUESTION NUMBER 22
===== ======
MEAN = 2.27027
N= 74
VARIANCE = 1.8729
STD DEV = 1.36854

RESPONSE	FREQUENCY
1	31
2	15
3	13
4	7
5	3

QUESTION NUMBER 23
===== ======
MEAN = 3.04054
N= 74
VARIANCE = 1.63349
STD DEV = 1.27803

RESPONSE	FREQUENCY
1	10
2	16
3	22
4	13
5	13

QUESTION NUMBER 24
===== ======
MEAN = 2.18919
N= 74
VARIANCE = 1.45869
STD DEV = 1.20445

RESPONSE	FREQUENCY
1	28
2	20
3	14
4	8
5	4

QUESTION NUMBER 25
===== ======
MEAN = 1.33784
N= 74
VARIANCE = .384735
STD DEV = .552073

RESPONSE	FREQUENCY
1	52
2	19
3	3
4	0
5	0

QUESTION NUMBER 26
===== ======
MEAN = 3.05405
N= 74
VARIANCE = 1.3214
STD DEV = 1.14952

RESPONSE	FREQUENCY
1	7
2	15
3	30
4	11
5	11

QUESTION NUMBER 27
===== ======
MEAN = 3.2027
N= 74
VARIANCE = 1.43189
STD DEV = 1.19661

RESPONSE	FREQUENCY
1	8
2	11
3	25
4	18
5	12

QUESTION NUMBER 23
======= =======
MEAN = 1.75676
N= 74
VARIANCE = .69759
STD DEV = .835219

RESPONSE	FREQUENCY
1	34
2	27
3	10
4	3
5	0

QUESTION NUMBER 29
======= =======
MEAN = 2
N= 74
VARIANCE = .864865
STD DEV = .929981

RESPONSE	FREQUENCY
1	29
2	19
3	23
4	3
5	0

QUESTION NUMBER 30
======= =======
MEAN = 1.58108
N= 74
VARIANCE = .675861
STD DEV = .822107

RESPONSE	FREQUENCY
1	45
2	17
3	10
4	2
5	0

QUESTION NUMBER 31
======= =======
MEAN = 3.21622
N= 74
VARIANCE = 1.41271
STD DEV = 1.18353

RESPONSE	FREQUENCY
1	0
2	3
3	26
4	26
5	11

QUESTION NUMBER 32
======= =======
MEAN = 2.81081
N= 74
VARIANCE = 1.45069
STD DEV = 1.20445

RESPONSE	FREQUENCY
1	16
2	10
3	24
4	20
5	4

QUESTION NUMBER 33
======= =======
MEAN = 2.57568
N= 74
VARIANCE = .813735
STD DEV = .902073

RESPONSE	FREQUENCY
1	7
2	24
3	30
4	12
5	1

QUESTION NUMBER 34
======= =======
MEAN = 3.05405
N= 74
VARIANCE = .361941
STD DEV = .923403

RESPONSE	FREQUENCY
1	2
2	13
3	34
4	14
5	6

QUESTION NUMBER 35
======= =======
MEAN = 2.92541
N= 74
VARIANCE = 1.08564
STD DEV = 1.04194

RESPONSE	FREQUENCY
1	7
2	18
3	29
4	15
5	5

QUESTION NUMBER 36
======= =======
MEAN = 2.89189
N= 74
VARIANCE = .907232
STD DEV = .952487

RESPONSE	FREQUENCY
1	4
2	22
3	30
4	14
5	4

QUESTION NUMBER 37
======= ======
MEAN = 3
N= 74
VARIANCE = 1.54054
STD DEV = 1.24119
RESPONSE   FREQUENCY
1   9
2   20
3   17
4   13
5   10

QUESTION NUMBER 33
======= ======
MEAN = 2.40541
N= 74
VARIANCE = 1.21402
STD DEV = 1.10183
RESPONSE   FREQUENCY
1   15
2   31
3   15
4   9
5   4

QUESTION NUMBER 39
======= ======
MEAN = 2.32432
N= 74
VARIANCE = .759683
STD DEV = .871598
RESPONSE   FREQUENCY
1   12
2   33
3   23
4   5
5   1

QUESTION NUMBER 40
======= ======
MEAN = 2.63513
N= 74
VARIANCE = .853361
STD DEV = .923776
RESPONSE   FREQUENCY
1   7
2   27
3   23
4   10
5   2

QUESTION NUMBER 41
======= ======
MEAN = 2.66216
N= 74
VARIANCE = .953435
STD DEV = .97644
RESPONSE   FREQUENCY
1   8
2   26
3   25
4   13
5   2

QUESTION NUMBER 42
======= ======
MEAN = 2.7973
N= 74
VARIANCE = .945398
STD DEV = .972316
RESPONSE   FREQUENCY
1   5
2   25
3   28
4   12
5   4

QUESTION NUMBER 43
======= ======
MEAN = 3.09459
N= 74
VARIANCE = 1.24731
STD DEV = 1.11705
RESPONSE   FREQUENCY
1   6
2   17
3   23
4   20
5   3

QUESTION NUMBER 44
======= ======
MEAN = 2.33784
N= 74
VARIANCE = 1.16334
STD DEV = 1.05301
RESPONSE   FREQUENCY
1   7
2   21
3   29
4   11
5   6

QUESTION NUMBER 45
======= ======
MEAN = 3.90541
N= 74
VARIANCE = 1.27483
STD DEV = 1.12909
RESPONSE   FREQUENCY
1   3
2   3
3   9
4   27
5   27

QUESTION NUMBER 46
====== ======
MEAN = 2.31081
N= 74
VARIANCE = 1.13313
STD DEV = 1.06443

RESPONSE	FREQUENCY
1	16
2	33
3	15
4	6
5	4

QUESTION NUMBER 47
====== ======
MEAN = 2.45946
N= 74
VARIANCE = 1.57263
STD DEV = 1.25407

RESPONSE	FREQUENCY
1	13
2	23
3	11
4	10
5	7

QUESTION NUMBER 48
====== ======
MEAN = 2.81081
N= 74
VARIANCE = 1.45069
STD DEV = 1.20445

RESPONSE	FREQUENCY
1	11
2	20
3	24
4	10
5	9

QUESTION NUMBER 49
====== ======
MEAN = 2.67563
N= 74
VARIANCE = .313736
STD DEV = .922073

RESPONSE	FREQUENCY
1	5
2	30
3	24
4	14
5	1

QUESTION NUMBER 50
====== ======
MEAN = 2.39139
N= 74
VARIANCE = 1.15048
STD DEV = 1.0726

RESPONSE	FREQUENCY
1	4
2	27
3	24
4	11
5	3

QUESTION NUMBER 51
====== ======
MEAN = 2.86437
N= 74
VARIANCE = .738494
STD DEV = .859357

RESPONSE	FREQUENCY
1	0
2	29
3	30
4	11
5	4

QUESTION NUMBER 52
====== ======
MEAN = 2.85135
N= 74
VARIANCE = .85623
STD DEV = .925354

RESPONSE	FREQUENCY
1	4
2	23
3	30
4	14
5	3

QUESTION NUMBER 53
====== ======
MEAN = 3.43243
N= 74
VARIANCE = 1.46165
STD DEV = 1.20399

RESPONSE	FREQUENCY
1	5
2	13
3	18
4	21
5	17

QUESTION NUMBER 54
====== ======
MEAN = 3.32703
N= 74
VARIANCE = 1.45873
STD DEV = 1.20778

RESPONSE	FREQUENCY
1	5
2	25
3	20
4	11
5	13

QUESTION NUMBER 55
======= ======
MEAN = 2.53103
N= 74
VARIANCE = .919103
STD DEV = .953699
RESPONSE   FREQUENCY
1   9
2   23
3   29
4   5
5   4

QUESTION NUMBER 56
======= ======
MEAN = 3
N= 74
VARIANCE = .891892
STD DEV = .9444
RESPONSE   FREQUENCY
1   4
2   18
3   29
4   20
5   3

QUESTION NUMBER 57
======= ======
MEAN = 2.51351
N= 74
VARIANCE = 1.24962
STD DEV = 1.11795
RESPONSE   FREQUENCY
1   14
2   27
3   18
4   11
5   4

QUESTION NUMBER 58
======= ======
MEAN = 2.5
N= 74
VARIANCE = .317563
STD DEV = .904194
RESPONSE   FREQUENCY
1   3
2   32
3   25
4   7
5   2

QUESTION NUMBER 59
======= ======
MEAN = 1.97297
N= 74
VARIANCE = .647917
STD DEV = .804933
RESPONSE   FREQUENCY
1   24
2   29
3   20
4   1
5   0

QUESTION NUMBER 60
======= ======
MEAN = 2.39189
N= 74
VARIANCE = 1.31939
STD DEV = 1.14865
RESPONSE   FREQUENCY
1   20
2   20
3   24
4   5
5   5

QUESTION NUMBER 61
======= ======
MEAN = 2.55405
N= 74
VARIANCE = .3637
STD DEV = .93204!
RESPONSE   FREQUENCY
1   9
2   26
3   31
4   5
5   3

QUESTION NUMBER 62
======= ======
MEAN = 3.33764
N= 74
VARIANCE = .89998
STD DEV = .943357
RESPONSE   FREQUENCY
1   0
2   14
3   32
4   17
5   11

QUESTION NUMBER 63
======= ======
MEAN = 3.62703
N= 74
VARIANCE = 1.02629
STD DEV = 1.01306
RESPONSE   FREQUENCY
1   4
2   19
3   23
4   17
5   6

QUESTION NUMBER 64
====== ======
MEAN = 2.91892
N= 74
VARIANCE = 1.23667
STD DEV = 1.11206
RESPONSE	FREQUENCY
1	6
2	24
3	21
4	16
5	7

QUESTION NUMBER 65
====== ======
MEAN = 1.56757
N= 74
VARIANCE = .488676
STD DEV = .699054
RESPONSE	FREQUENCY
1	40
2	27
3	6
4	1
5	0

QUESTION NUMBER 66
====== ======
MEAN = 3.66216
N= 74
VARIANCE = 1.19663
STD DEV = 1.09393
RESPONSE	FREQUENCY
1	5
2	4
3	19
4	29
5	17

QUESTION NUMBER 67
====== ======
MEAN = 4.31081
N= 74
VARIANCE = .731774
STD DEV = .83413
RESPONSE	FREQUENCY
1	1
2	1
3	12
4	20
5	40

QUESTION NUMBER 63
====== ======
MEAN = 1.97297
N= 74
VARIANCE = 1.24251
STD DEV = 1.11468
RESPONSE	FREQUENCY
1	33
2	21
3	12
4	5
5	3

QUESTION NUMBER 69
====== ======
MEAN = 3.89189
N= 74
VARIANCE = 1.47748
STD DEV = 1.21441
RESPONSE	FREQUENCY
1	2
2	10
3	17
4	10
5	35

QUESTION NUMBER 70
====== ======
MEAN = 1.52703
N= 74
VARIANCE = .600621
STD DEV = .774997
RESPONSE	FREQUENCY
1	44
2	24
3	4
4	1
5	1

QUESTION NUMBER 71
====== ======
MEAN = 3.97297
N= 74
VARIANCE = 1.16143
STD DEV = 1.0777
RESPONSE	FREQUENCY
1	1
2	3
3	14
4	20
5	31

QUESTION NUMBER 72
====== ======
MEAN = 4.44595
N= 74
VARIANCE = .652484
STD DEV = .807765
RESPONSE	FREQUENCY
1	0
2	2
3	9
4	17
5	46

QUESTION NUMBER 73
======= ======
MEAN = 1.72973
N= 74
VARIANCE = .791317
STD DEV = .889341

RESPONSE	FREQUENCY
1	33
2	22
3	19
4	4
5	0

QUESTION NUMBER 74
======= ======
MEAN = 4.24324
N= 74
VARIANCE = .967359
STD DEV = .983798

RESPONSE	FREQUENCY
1	0
2	6
3	11
4	16
5	41

QUESTION NUMBER 75
======= ======
MEAN = 3.37838
N= 74
VARIANCE = 1.61359
STD DEV = 1.27027

RESPONSE	FREQUENCY
1	6
2	12
3	25
4	10
5	21

QUESTION NUMBER 76
======= ======
MEAN = 2.7027
N= 74
VARIANCE = 1.26296
STD DEV = 1.12332

RESPONSE	FREQUENCY
1	10
2	25
3	22
4	11
5	6

QUESTION NUMBER 77
======= ======
MEAN = 2.48649
N= 74
VARIANCE = .95252
STD DEV = .975971

RESPONSE	FREQUENCY
1	10
2	31
3	23
4	7
5	3

QUESTION NUMBER 78
======= ======
MEAN = 2.21622
N= 74
VARIANCE = 1.25055
STD DEV = 1.11828

RESPONSE	FREQUENCY
1	24
2	23
3	17
4	7
5	3

QUESTION NUMBER 79
======= ======
MEAN = 2.55405
N= 74
VARIANCE = 1.30113
STD DEV = 1.14067

RESPONSE	FREQUENCY
1	13
2	27
3	20
4	8
5	6

QUESTION NUMBER 80
======= ======
MEAN = 2.51351
N= 74
VARIANCE = .95252
STD DEV = .975972

RESPONSE	FREQUENCY
1	12
2	24
3	23
4	3
5	2

QUESTION NUMBER 81
======= ======
MEAN = 2.54054
N= 74
VARIANCE = 1.32944
STD DEV = 1.15301

RESPONSE	FREQUENCY
1	15
2	24
3	20
4	10
5	5

QUESTION NUMBER 82
======= ======
MEAN = 3.04054
N= 74
VARIANCE = 1.4443
STD DEV = 1.20179

RESPONSE	FREQUENCY
1	7
2	19
3	24
4	12
5	12

QUESTION NUMBER 83
======= ======
MEAN = 2.13513
N= 74
VARIANCE = 1.19795
STD DEV = 1.09451

RESPONSE	FREQUENCY
1	24
2	28
3	14
4	4
5	4

QUESTION NUMBER 84
======= ======
MEAN = 1.7973
N= 74
VARIANCE = .83729
STD DEV = .915035

RESPONSE	FREQUENCY
1	34
2	27
3	7
4	6
5	0

QUESTION NUMBER 85
======= ======
MEAN = 1.72973
N= 74
VARIANCE = .710736
STD DEV = .843052

RESPONSE	FREQUENCY
1	37
2	22
3	13
4	2
5	0

QUESTION NUMBER 86
======= ======
MEAN = 1.97297
N= 74
VARIANCE = .783052
STD DEV = .884962

RESPONSE	FREQUENCY
1	25
2	30
3	13
4	5
5	0

QUESTION NUMBER 87
======= ======
MEAN = 2.10811
N= 74
VARIANCE = 1.09642
STD DEV = 1.0471

RESPONSE	FREQUENCY
1	27
2	20
3	21
4	4
5	2

QUESTION NUMBER 88
======= ======
MEAN = 2
N= 74
VARIANCE = 1.21622
STD DEV = 1.10282

RESPONSE	FREQUENCY
1	32
2	21
3	12
4	7
5	2

QUESTION NUMBER 89
======= ======
MEAN = 2.71622
N= 74
VARIANCE = 1.71677
STD DEV = 1.31025

RESPONSE	FREQUENCY
1	15
2	23
3	13
4	14
5	9

APPENDIX 10   RESPONSES FROM CRAFT STUDENTS UNDER 18 YEARS OF AGE

QUESTION NUMBER 1
======= ======
MEAN = 2.67021
N= 94
VARIANCE = 2.41252
STD DEV = 1.55323

RESPONSE	FREQUENCY
1	33
2	16
3	13
4	13
5	19

QUESTION NUMBER 2
======= ======
MEAN = 2.92553
N= 94
VARIANCE = 2.64339
STD DEV = 1.62585

RESPONSE	FREQUENCY
1	32
2	8
3	13
4	17
5	24

QUESTION NUMBER 3
======= ======
MEAN = 2.79787
N= 94
VARIANCE = 2.37404
STD DEV = 1.54079

RESPONSE	FREQUENCY
1	30
2	11
3	23
4	3
5	22

QUESTION NUMBER 4
======= ======
MEAN = 2.60633
N= 94
VARIANCE = 1.91954
STD DEV = 1.33547

RESPONSE	FREQUENCY
1	31
2	10
3	31
4	9
5	13

QUESTION NUMBER 5
======= ======
MEAN = 2.3617
N= 94
VARIANCE = 1.44364
STD DEV = 1.20152

RESPONSE	FREQUENCY
1	28
2	25
3	28
4	5
5	8

QUESTION NUMBER 6
======= ======
MEAN = 1.98935
N= 94
VARIANCE = 1.41478
STD DEV = 1.18944

RESPONSE	FREQUENCY
1	41
2	32
3	9
4	5
5	7

QUESTION NUMBER 7
======= ======
MEAN = 2.94631
N= 94
VARIANCE = 3.13547
STD DEV = 1.77073

RESPONSE	FREQUENCY
1	39
2	2
3	9
4	13
5	31

QUESTION NUMBER 8
======= ======
MEAN = 2.13035
N= 94
VARIANCE = 1.16942
STD DEV = 1.0314

RESPONSE	FREQUENCY
1	32
2	26
3	26
4	7
5	3

QUESTION NUMBER 9
======= ======
MEAN = 2.14894
N= 94
VARIANCE = .743776
STD DEV = .362424

RESPONSE	FREQUENCY
1	22
2	43
3	22
4	7
5	6

QUESTION NUMBER 10
======= ======
MEAN = 3.17021
N= 94
VARIANCE = 2.11997
STD DEV = 1.45601

RESPONSE	FREQUENCY
1	15
2	19
3	24
4	7
5	29

QUESTION NUMBER 11
======= ======
MEAN = 2.75532
N= 94
VARIANCE = 1.46141
STD DEV = 1.20339

RESPONSE	FREQUENCY
1	19
2	17
3	35
4	14
5	9

QUESTION NUMBER 12
======= ======
MEAN = 2.37234
N= 94
VARIANCE = 1.1486
STD DEV = 1.07173

RESPONSE	FREQUENCY
1	24
2	26
3	33
4	7
5	4

QUESTION NUMBER 13
======= ======
MEAN = 3.14394
N= 94
VARIANCE = 2.19059
STD DEV = 1.43006

RESPONSE	FREQUENCY
1	21
2	7
3	30
4	9
5	27

QUESTION NUMBER 14
======= ======
MEAN = 2.64394
N= 94
VARIANCE = 2.07888
STD DEV = 1.44183

RESPONSE	FREQUENCY
1	31
2	13
3	22
4	14
5	14

QUESTION NUMBER 15
======= ======
MEAN = 2.71277
N= 94
VARIANCE = 1.31112
STD DEV = 1.14504

RESPONSE	FREQUENCY
1	13
2	29
3	35
4	6
5	11

QUESTION NUMBER 16
======= ======
MEAN = 2.30351
N= 94
VARIANCE = 2.02184
STD DEV = 1.42192

RESPONSE	FREQUENCY
1	37
2	25
3	12
4	6
5	14

QUESTION NUMBER 17
======= ======
MEAN = 1.93617
N= 94
VARIANCE = 1.31503
STD DEV = 1.14677

RESPONSE	FREQUENCY
1	46
2	25
3	8
4	13
5	2

QUESTION NUMBER 18
======= ======
MEAN = 1.81915
N= 94
VARIANCE = 1.57368
STD DEV = 1.25446

RESPONSE	FREQUENCY
1	55
2	13
3	10
4	1
5	9

QUESTION NUMBER 19
======= =======
MEAN = 3.23424
N= 94
VARIANCE = 2.31757
STD DEV = 1.67856

RESPONSE	FREQUENCY
1	26
2	10
3	10
4	12
5	36

QUESTION NUMBER 20
======= =======
MEAN = 2.59575
N= 94
VARIANCE = 1.90041
STD DEV = 1.37855

RESPONSE	FREQUENCY
1	26
2	23
3	23
4	7
5	15

QUESTION NUMBER 21
======= =======
MEAN = 2.65957
N= 94
VARIANCE = 2.03304
STD DEV = 1.42585

RESPONSE	FREQUENCY
1	27
2	19
3	24
4	7
5	17

QUESTION NUMBER 22
======= =======
MEAN = 2.24463
N= 94
VARIANCE = 1.6529
STD DEV = 1.28565

RESPONSE	FREQUENCY
1	33
2	17
3	26
4	4
5	9

QUESTION NUMBER 23
======= =======
MEAN = 2.26596
N= 94
VARIANCE = 1.11012
STD DEV = 1.05362

RESPONSE	FREQUENCY
1	27
2	27
3	32
4	4
5	4

QUESTION NUMBER 24
======= =======
MEAN = 2.56383
N= 94
VARIANCE = 1.41614
STD DEV = 1.19002

RESPONSE	FREQUENCY
1	21
2	26
3	27
4	13
5	7

QUESTION NUMBER 25
======= =======
MEAN = 2.15957
N= 94
VARIANCE = .9639
STD DEV = .931784

RESPONSE	FREQUENCY
1	30
2	26
3	33
4	3
5	2

QUESTION NUMBER 26
======= =======
MEAN = 2.40425
N= 94
VARIANCE = 1.11315
STD DEV = 1.05527

RESPONSE	FREQUENCY
1	19
2	37
3	22
4	13
5	3

QUESTION NUMBER 27
======= =======
MEAN = 2.7766
N= 94
VARIANCE = 1.59903
STD DEV = 1.26453

RESPONSE	FREQUENCY
1	20
2	17
3	32
4	14
5	11

QUESTION NUMBER 28
======= ======
MEAN = 1.7766
N= 94
VARIANCE = 1.23733
STD DEV = 1.11235
RESPONSE   FREQUENCY
   1   51
   2   27
   3   3
   4   2
   5   6

QUESTION NUMBER 29
======= ======
MEAN = 2.10633
N= 94
VARIANCE = 1.58443
STD DEV = 1.25874
RESPONSE   FREQUENCY
   1   43
   2   17
   3   23
   4   3
   5   8

QUESTION NUMBER 30
======= ======
MEAN = 1.96809
N= 94
VARIANCE = 1.96707
STD DEV = 1.40252
RESPONSE   FREQUENCY
   1   53
   2   6
   3   16
   4   3
   5   11

QUESTION NUMBER 31
======= ======
MEAN = 2.35106
N= 94
VARIANCE = 2.39272
STD DEV = 1.7303
RESPONSE   FREQUENCY
   1   38
   2   4
   3   12
   4   14
   5   26

QUESTION NUMBER 32
======= ======
MEAN = 3.04255
N= 94
VARIANCE = 1.31734
STD DEV = 1.14775
RESPONSE   FREQUENCY
   1   12
   2   10
   3   43
   4   10
   5   14

QUESTION NUMBER 33
======= ======
MEAN = 2.39362
N= 94
VARIANCE = 1.66422
STD DEV = 1.29005
RESPONSE   FREQUENCY
   1   30
   2   23
   3   26
   4   4
   5   11

QUESTION NUMBER 34
======= ======
MEAN = 2.62766
N= 94
VARIANCE = 1.94221
STD DEV = 1.02089
RESPONSE   FREQUENCY
   1   16
   2   22
   3   40
   4   13
   5   3

QUESTION NUMBER 35
======= ======
MEAN = 2.78213
N= 94
VARIANCE = 1.23042
STD DEV = 1.10924
RESPONSE   FREQUENCY
   1   13
   2   30
   3   39
   4   14
   5   7

QUESTION NUMBER 36
======= ======
MEAN = 2.29787
N= 94
VARIANCE = 1.06021
STD DEV = 1.02966
RESPONSE   FREQUENCY
   1   23
   2   34
   3   26
   4   8
   5   3

QUESTION NUMBER 37
======= ======
MEAN = 2.71277
N= 94
VARIANCE = 1.14409
STD DEV = 1.06313

RESPONSE	FREQUENCY
1	11
2	33
3	27
4	13
5	5

QUESTION NUMBER 38
======= ======
MEAN = 2.29737
N= 94
VARIANCE = 1.01766
STD DEV = 1.00879

RESPONSE	FREQUENCY
1	23
2	33
3	27
4	9
5	2

QUESTION NUMBER 39
======= ======
MEAN = 2.20213
N= 94
VARIANCE = 1.43737
STD DEV = 1.19911

RESPONSE	FREQUENCY
1	31
2	34
3	16
4	5
5	8

QUESTION NUMBER 40
======= ======
MEAN = 2.39362
N= 94
VARIANCE = 1.74932
STD DEV = 1.32262

RESPONSE	FREQUENCY
1	33
2	19
3	24
4	8
5	10

QUESTION NUMBER 41
======= ======
MEAN = 2.24463
N= 94
VARIANCE = 1.09971
STD DEV = 1.04367

RESPONSE	FREQUENCY
1	25
2	34
3	27
4	3
5	5

QUESTION NUMBER 42
======= ======
MEAN = 2.5
N= 94
VARIANCE = 1.01596
STD DEV = 1.00795

RESPONSE	FREQUENCY
1	15
2	34
3	32
4	9
5	4

QUESTION NUMBER 43
======= ======
MEAN = 2.48936
N= 94
VARIANCE = .366903
STD DEV = .931079

RESPONSE	FREQUENCY
1	11
2	41
3	30
4	9
5	3

QUESTION NUMBER 44
======= ======
MEAN = 2.23723
N= 94
VARIANCE = 1.4175
STD DEV = 1.19059

RESPONSE	FREQUENCY
1	32
2	23
3	24
4	10
5	5

QUESTION NUMBER 45
======= ======
MEAN = 2.37234
N= 94
VARIANCE = 1.99966
STD DEV = 1.41409

RESPONSE	FREQUENCY
1	35
2	24
3	13
4	9
5	13

QUESTION NUMBER 46
======= =======
MEAN = 2.21277
N= 94
VARIANCE = 1.18377
STD DEV = 1.09031
RESPONSE   FREQUENCY
1   23
2   35
3   17
4   11
5   3

QUESTION NUMBER 47
======= =======
MEAN = 2.8617
N= 94
VARIANCE = 2.01278
STD DEV = 1.41873
RESPONSE   FREQUENCY
1   18
2   28
3   17
4   11
5   20

QUESTION NUMBER 48
======= =======
MEAN = 2.30851
N= 94
VARIANCE = 1.23461
STD DEV = 1.11113
RESPONSE   FREQUENCY
1   27
2   27
3   29
4   6
5   5

QUESTION NUMBER 49
======= =======
MEAN = 2.52128
N= 94
VARIANCE = 1.07933
STD DEV = 1.03891
RESPONSE   FREQUENCY
1   15
2   34
3   31
4   9
5   5

QUESTION NUMBER 50
======= =======
MEAN = 2.44681
N= 94
VARIANCE = 1.16206
STD DEV = 1.07799
RESPONSE   FREQUENCY
1   19
2   34
3   25
4   12
5   4

QUESTION NUMBER 51
======= =======
MEAN = 2.6383
N= 94
VARIANCE = 1.23087
STD DEV = 1.10945
RESPONSE   FREQUENCY
1   15
2   32
3   23
4   20
5   4

QUESTION NUMBER 52
======= =======
MEAN = 2.67021
N= 94
VARIANCE = 1.47635
STD DEV = 1.21505
RESPONSE   FREQUENCY
1   21
2   19
3   32
4   14
5   3

QUESTION NUMBER 53
======= =======
MEAN = 2.94681
N= 94
VARIANCE = 1.58223
STD DEV = 1.25789
RESPONSE   FREQUENCY
1   14
2   22
3   26
4   19
5   13

QUESTION NUMBER 54
======= =======
MEAN = 2.91489
N= 94
VARIANCE = 2.01403
STD DEV = 1.41917
RESPONSE   FREQUENCY
1   24
2   7
3   36
4   7
5   20

QUESTION NUMBER 55
======= =======
MEAN = 2.7766
N= 94
VARIANCE = 1.62031
STD DEV = 1.27291

RESPONSE	FREQUENCY
1	17
2	23
3	33
4	6
5	15

QUESTION NUMBER 56
======= =======
MEAN = 2.55319
N= 94
VARIANCE = 1.05563
STD DEV = 1.02746

RESPONSE	FREQUENCY
1	11
2	41
3	27
4	9
5	6

QUESTION NUMBER 57
======= =======
MEAN = 2.25532
N= 94
VARIANCE = .956087
STD DEV = .977797

RESPONSE	FREQUENCY
1	21
2	40
3	24
4	6
5	3

QUESTION NUMBER 58
======= =======
MEAN = 2.60633
N= 94
VARIANCE = .355703
STD DEV = .925045

RESPONSE	FREQUENCY
1	14
2	19
3	56
4	0
5	5

QUESTION NUMBER 59
======= =======
MEAN = 2.60633
N= 94
VARIANCE = .613154
STD DEV = .90175

RESPONSE	FREQUENCY
1	11
2	26
3	51
4	1
5	5

QUESTION NUMBER 60
======= =======
MEAN = 2.59575
N= 94
VARIANCE = 1.32594
STD DEV = 1.1515

RESPONSE	FREQUENCY
1	16
2	34
3	23
4	14
5	7

QUESTION NUMBER 61
======= =======
MEAN = 2.56383
N= 94
VARIANCE = 1.35231
STD DEV = 1.16289

RESPONSE	FREQUENCY
1	17
2	34
3	24
4	11
5	3

QUESTION NUMBER 62
======= =======
MEAN = 2.37234
N= 94
VARIANCE = .659234
STD DEV = .311932

RESPONSE	FREQUENCY
1	17
2	28
3	46
4	3
5	0

QUESTION NUMBER 63
======= =======
MEAN = 2.07447
N= 94
VARIANCE = 1.09002
STD DEV = 1.04413

RESPONSE	FREQUENCY
1	34
2	30
3	22
4	5
5	3

QUESTION NUMBER 64
======= =======
MEAN = 2.14394
N= 94
VARIANCE = 1.12675
STD DEV = 1.06149

RESPONSE	FREQUENCY
1	31
2	31
3	22
4	7
5	3

QUESTION NUMBER 65
======= =======
MEAN = 2.45745
N= 94
VARIANCE = 1.22691
STD DEV = 1.10766

RESPONSE	FREQUENCY
1	20
2	32
3	26
4	11
5	5

QUESTION NUMBER 66
======= =======
MEAN = 2.53511
N= 94
VARIANCE = .3385
STD DEV = .915697

RESPONSE	FREQUENCY
1	6
2	44
3	32
4	7
5	5

QUESTION NUMBER 67
======= =======
MEAN = 3.02128
N= 94
VARIANCE = 1.85061
STD DEV = 1.36037

RESPONSE	FREQUENCY
1	13
2	26
3	22
4	12
5	21

QUESTION NUMBER 68
======= =======
MEAN = 1.81915
N= 94
VARIANCE = .371547
STD DEV = .933567

RESPONSE	FREQUENCY
1	41
2	36
3	13
4	1
5	3

QUESTION NUMBER 69
======= =======
MEAN = 2.26596
N= 94
VARIANCE = 1.23033
STD DEV = 1.13152

RESPONSE	FREQUENCY
1	32
2	21
3	28
4	10
5	3

QUESTION NUMBER 70
======= =======
MEAN = 2.61702
N= 94
VARIANCE = 1.55546
STD DEV = 1.24713

RESPONSE	FREQUENCY
1	21
2	26
3	24
4	14
5	9

QUESTION NUMBER 71
======= =======
MEAN = 2.81915
N= 94
VARIANCE = 1.21197
STD DEV = 1.1009

RESPONSE	FREQUENCY
1	3
2	34
3	23
4	15
5	9

QUESTION NUMBER 72
======= =======
MEAN = 2.73404
N= 94
VARIANCE = 1.30161
STD DEV = 1.14088

RESPONSE	FREQUENCY
1	15
2	24
3	34
4	13
5	3

QUESTION NUMBER 73
======== =======
MEAN = 1.85106
N= 94
VARIANCE = .977817
STD DEV = .988846

RESPONSE	FREQUENCY
1	45
2	26
3	16
4	6
5	1

QUESTION NUMBER 74
======== =======
MEAN = 2.65957
N= 94
VARIANCE = 1.33092
STD DEV = 1.15365

RESPONSE	FREQUENCY
1	18
2	23
3	33
4	13
5	7

QUESTION NUMBER 75
======== =======
MEAN = 2.52128
N= 94
VARIANCE = 1.58997
STD DEV = 1.26094

RESPONSE	FREQUENCY
1	26
2	21
3	23
4	10
5	9

QUESTION NUMBER 76
======== =======
MEAN = 2.52123
N= 94
VARIANCE = 1.33465
STD DEV = 1.15527

RESPONSE	FREQUENCY
1	13
2	34
3	25
4	9
5	3

QUESTION NUMBER 77
======== =======
MEAN = 2.30851
N= 94
VARIANCE = 1.21334
STD DEV = 1.10151

RESPONSE	FREQUENCY
1	20
2	46
3	13
4	9
5	6

QUESTION NUMBER 78
======== =======
MEAN = 2.45745
N= 94
VARIANCE = 1.24819
STD DEV = 1.11722

RESPONSE	FREQUENCY
1	22
2	27
3	30
4	10
5	5

QUESTION NUMBER 79
======== =======
MEAN = 2.57447
N= 94
VARIANCE = .840199
STD DEV = .916624

RESPONSE	FREQUENCY
1	14
2	24
3	46
4	8
5	2

QUESTION NUMBER 80
======== =======
MEAN = 2.73404
N= 94
VARIANCE = 1.11012
STD DEV = 1.05362

RESPONSE	FREQUENCY
1	14
2	20
3	43
4	11
5	6

QUESTION NUMBER 81
======== =======
MEAN = 2.25532
N= 94
VARIANCE = 1.23263
STD DEV = 1.11026

RESPONSE	FREQUENCY
1	24
2	42
3	13
4	10
5	5

QUESTION NUMBER 82
======= ======
MEAN = 2.26596
N= 94
VARIANCE = 1.13139
STD DEV = 1.06367

RESPONSE	FREQUENCY
1	27
2	28
3	30
4	5
5	4

QUESTION NUMBER 83
======= ======
MEAN = 2.1383
N= 94
VARIANCE = 1.5447
STD DEV = 1.24236

RESPONSE	FREQUENCY
1	42
2	16
3	23
4	7
5	6

QUESTION NUMBER 84
======= ======
MEAN = 2.26596
N= 94
VARIANCE = 2.55693
STD DEV = 1.59924

RESPONSE	FREQUENCY
1	49
2	13
3	10
4	2
5	20

QUESTION NUMBER 85
======= ======
MEAN = 2.17021
N= 94
VARIANCE = 2.35401
STD DEV = 1.53428

RESPONSE	FREQUENCY
1	50
2	14
3	12
4	0
5	18

QUESTION NUMBER 86
======= ======
MEAN = 2.14894
N= 94
VARIANCE = 1.70122
STD DEV = 1.30431

RESPONSE	FREQUENCY
1	41
2	23
3	13
4	9
5	8

QUESTION NUMBER 87
======= ======
MEAN = 2.46309
N= 94
VARIANCE = 1.99366
STD DEV = 1.41197

RESPONSE	FREQUENCY
1	33
2	21
3	15
4	13
5	12

QUESTION NUMBER 88
======= ======
MEAN = 2.19149
N= 94
VARIANCE = 1.38336
STD DEV = 1.1785

RESPONSE	FREQUENCY
1	34
2	23
3	16
4	12
5	4

QUESTION NUMBER 89
======= ======
MEAN = 2.26596
N= 94
VARIANCE = 1.55693
STD DEV = 1.24777

RESPONSE	FREQUENCY
1	31
2	32
3	14
4	9
5	3

APPENDIX 11   RESPONSES FROM TECHNICIAN STUDENTS UNDER 18 YEARS OF AGE

QUESTION NUMBER 1
======== ======
MEAN = 3.23404
N= 94
VARIANCE = 1.54097
STD DEV = 1.24136

RESPONSE	FREQUENCY
1	3
2	13
3	34
4	12
5	22

QUESTION NUMBER 2
======== ======
MEAN = 4.3617
N= 94
VARIANCE = .741512
STD DEV = .861111

RESPONSE	FREQUENCY
1	3
2	4
3	6
4	32
5	51

QUESTION NUMBER 3
======== ======
MEAN = 2.6383
N= 94
VARIANCE = 1.61385
STD DEV = 1.27638

RESPONSE	FREQUENCY
1	22
2	25
3	20
4	19
5	8

QUESTION NUMBER 4
======== ======
MEAN = 2.91439
N= 94
VARIANCE = 1.23553
STD DEV = 1.39796

RESPONSE	FREQUENCY
1	12
2	17
3	40
4	17
5	3

QUESTION NUMBER 5
======== ======
MEAN = 1.51064
N= 94
VARIANCE = .717973
STD DEV = .847333

RESPONSE	FREQUENCY
1	60
2	26
3	4
4	2
5	2

QUESTION NUMBER 6
======== ======
MEAN = 1.67021
N= 94
VARIANCE = .936988
STD DEV = .993473

RESPONSE	FREQUENCY
1	52
2	31
3	6
4	0
5	5

QUESTION NUMBER 7
======== ======
MEAN = 4.41439
N= 94
VARIANCE = .317223
STD DEV = .904004

RESPONSE	FREQUENCY
1	2
2	2
3	9
4	23
5	53

QUESTION NUMBER 3
======== ======
MEAN = 2.35106
N= 94
VARIANCE = 1.07888
STD DEV = 1.03369

RESPONSE	FREQUENCY
1	21
2	35
3	25
4	10
5	3

QUESTION NUMBER 9
======== ======
MEAN = 2.25532
N= 94
VARIANCE = 1.08375
STD DEV = 1.04103

RESPONSE	FREQUENCY
1	24
2	36
3	24
4	6
5	4

QUESTION NUMBER 10
======= =======
MEAN = 4.19149
N= 94
VARIANCE = 1.32503
STD DEV = 1.1511

RESPONSE	FREQUENCY
1	4
2	7
3	10
4	19
5	54

QUESTION NUMBER 11
======= =======
MEAN = 2.7234
N= 94
VARIANCE = 1.71073
STD DEV = 1.30795

RESPONSE	FREQUENCY
1	22
2	21
3	22
4	19
5	10

QUESTION NUMBER 12
======= =======
MEAN = 2.17021
N= 94
VARIANCE = 1.35401
STD DEV = 1.16362

RESPONSE	FREQUENCY
1	32
2	34
3	13
4	10
5	5

QUESTION NUMBER 13
======= =======
MEAN = 3.54255
N= 94
VARIANCE = 1.56733
STD DEV = 1.25193

RESPONSE	FREQUENCY
1	3
2	10
3	27
4	21
5	23

QUESTION NUMBER 14
======= =======
MEAN = 2.71277
N= 94
VARIANCE = 2.22601
STD DEV = 1.49198

RESPONSE	FREQUENCY
1	26
2	23
3	13
4	6
5	21

QUESTION NUMBER 15
======= =======
MEAN = 2.07447
N= 94
VARIANCE = 1.00509
STD DEV = 1.00254

RESPONSE	FREQUENCY
1	30
2	39
3	15
4	8
5	2

QUESTION NUMBER 16
======= =======
MEAN = 1.89362
N= 94
VARIANCE = 1.00996
STD DEV = 1.00497

RESPONSE	FREQUENCY
1	42
2	29
3	16
4	5
5	2

QUESTION NUMBER 17
======= =======
MEAN = 2.04255
N= 94
VARIANCE = 1.48755
STD DEV = 1.21965

RESPONSE	FREQUENCY
1	41
2	27
3	15
4	3
5	8

QUESTION NUMBER 18
======= =======
MEAN = 1.63035
N= 94
VARIANCE = .685379
STD DEV = .827876

RESPONSE	FREQUENCY
1	50
2	26
3	16
4	2
5	0

QUESTION NUMBER 19
======= ======
MEAN = 4.61702
N= 94
VARIANCE = .763213
STD DEV = .876431

RESPONSE	FREQUENCY
1	2
2	2
3	7
4	3
5	75

QUESTION NUMBER 20
======= ======
MEAN = 2.17021
N= 94
VARIANCE = 1.2689
STD DEV = 1.12646

RESPONSE	FREQUENCY
1	33
2	28
3	21
4	3
5	4

QUESTION NUMBER 21
======= ======
MEAN = 2.32979
N= 94
VARIANCE = 1.1572
STD DEV = 1.07573

RESPONSE	FREQUENCY
1	23
2	34
3	24
4	3
5	4

QUESTION NUMBER 22
======= ======
MEAN = 2.31915
N= 94
VARIANCE = 1.47261
STD DEV = 1.21351

RESPONSE	FREQUENCY
1	33
2	13
3	29
4	8
5	6

QUESTION NUMBER 23
======= ======
MEAN = 2.47372
N= 94
VARIANCE = 1.10061
STD DEV = 1.0491

RESPONSE	FREQUENCY
1	22
2	13
3	46
4	3
5	5

QUESTION NUMBER 24
======= ======
MEAN = 1.8617
N= 94
VARIANCE = 1.11917
STD DEV = 1.05791

RESPONSE	FREQUENCY
1	46
2	25
3	17
4	2
5	4

QUESTION NUMBER 25
======= ======
MEAN = 1.54255
N= 94
VARIANCE = .673717
STD DEV = .320803

RESPONSE	FREQUENCY
1	59
2	22
3	11
4	1
5	1

QUESTION NUMBER 26
======= ======
MEAN = 2.26596
N= 94
VARIANCE = 1.11012
STD DEV = 1.05362

RESPONSE	FREQUENCY
1	20
2	46
3	17
4	5
5	6

QUESTION NUMBER 27
======= ======
MEAN = 3.29787
N= 94
VARIANCE = 1.18737
STD DEV = 1.08989

RESPONSE	FREQUENCY
1	3
2	28
3	34
4	20
5	17

QUESTION NUMBER 34
======= =======
MEAN = 2.30851
N= 94
VARIANCE = .920777
STD DEV = .959571

RESPONSE	FREQUENCY
1	11
2	17
3	49
4	13
5	4

QUESTION NUMBER 35
======= =======
MEAN = 2.80851
N= 94
VARIANCE = 1.11227
STD DEV = 1.05464

RESPONSE	FREQUENCY
1	9
2	30
3	31
4	13
5	6

QUESTION NUMBER 36
======= =======
MEAN = 2.1383
N= 94
VARIANCE = 1.03406
STD DEV = 1.01689

RESPONSE	FREQUENCY
1	25
2	45
3	14
4	6
5	4

QUESTION NUMBER 31
======= =======
MEAN = 3.84243
N= 94
VARIANCE = 1.63731
STD DEV = 1.29396

RESPONSE	FREQUENCY
1	11
2	2
3	16
4	27
5	33

QUESTION NUMBER 32
======= =======
MEAN = 3.04255
N= 94
VARIANCE = 1.65777
STD DEV = 1.28754

RESPONSE	FREQUENCY
1	17
2	12
3	28
4	24
5	13

QUESTION NUMBER 33
======= =======
MEAN = 2.28723
N= 94
VARIANCE = 1.05579
STD DEV = 1.02752

RESPONSE	FREQUENCY
1	21
2	39
3	25
4	4
5	5

QUESTION NUMBER 23
======= =======
MEAN = 1.41439
N= 94
VARIANCE = .519351
STD DEV = .72066

RESPONSE	FREQUENCY
1	67
2	16
3	10
4	1
5	0

QUESTION NUMBER 29
======= =======
MEAN = 1.69149
N= 94
VARIANCE = .766527
STD DEV = .875515

RESPONSE	FREQUENCY
1	49
2	30
3	11
4	3
5	1

QUESTION NUMBER 30
======= =======
MEAN = 1.43617
N= 94
VARIANCE = .453692
STD DEV = .677268

RESPONSE	FREQUENCY
1	63
2	21
3	10
4	0
5	0

QUESTION NUMBER 37
======= ======
MEAN = 2.7234
N= 94
VARIANCE = 1.71073
STD DEV = 1.30795

RESPONSE	FREQUENCY
1	19
2	26
3	25
4	10
5	14

QUESTION NUMBER 38
======= ======
MEAN = 1.81915
N= 94
VARIANCE = .73644
STD DEV = .886815

RESPONSE	FREQUENCY
1	36
2	47
3	6
4	2
5	3

QUESTION NUMBER 39
======= ======
MEAN = 2.06383
N= 94
VARIANCE = .612947
STD DEV = .782909

RESPONSE	FREQUENCY
1	23
2	44
3	26
4	0
5	1

QUESTION NUMBER 40
======= ======
MEAN = 2.85106
N= 94
VARIANCE = 1.02037
STD DEV = 1.01014

RESPONSE	FREQUENCY
1	7
2	25
3	47
4	5
5	10

QUESTION NUMBER 41
======= ======
MEAN = 2.58511
N= 94
VARIANCE = .881953
STD DEV = .938644

RESPONSE	FREQUENCY
1	12
2	28
3	46
4	3
5	5

QUESTION NUMBER 42
======= ======
MEAN = 2.58511
N= 94
VARIANCE = .96616
STD DEV = .982934

RESPONSE	FREQUENCY
1	9
2	39
3	35
4	4
5	7

QUESTION NUMBER 43
======= ======
MEAN = 3.11702
N= 94
VARIANCE = 1.13343
STD DEV = 1.09015

RESPONSE	FREQUENCY
1	6
2	22
3	32
4	23
5	11

QUESTION NUMBER 44
======= ======
MEAN = 3
N= 94
VARIANCE = 1.12766
STD DEV = 1.06191

RESPONSE	FREQUENCY
1	7
2	21
3	42
4	13
5	11

QUESTION NUMBER 45
======= ======
MEAN = 2.84043
N= 94
VARIANCE = 1.77241
STD DEV = 1.33132

RESPONSE	FREQUENCY
1	15
2	32
3	15
4	17
5	15

QUESTION NUMBER 46
======= ======
MEAN = 2.2234
N= 94
VARIANCE = 1.15222
STD DEV = 1.07341

RESPONSE	FREQUENCY
1	27
2	34
3	22
4	7
5	4

QUESTION NUMBER 47
======= ======
MEAN = 3.21277
N= 94
VARIANCE = 2.10367
STD DEV = 1.4504

RESPONSE	FREQUENCY
1	16
2	18
3	15
4	20
5	25

QUESTION NUMBER 48
======= ======
MEAN = 2.46809
N= 94
VARIANCE = 1.41919
STD DEV = 1.1913

RESPONSE	FREQUENCY
1	23
2	26
3	33
4	2
5	10

QUESTION NUMBER 49
======= ======
MEAN = 2.2766
N= 94
VARIANCE = .937326
STD DEV = .993643

RESPONSE	FREQUENCY
1	20
2	43
3	13
4	11
5	2

QUESTION NUMBER 50
======= ======
MEAN = 2.60633
N= 94
VARIANCE = 1.0472
STD DEV = 1.02333

RESPONSE	FREQUENCY
1	13
2	31
3	35
4	10
5	5

QUESTION NUMBER 51
======= ======
MEAN = 2.60638
N= 94
VARIANCE = 1.17486
STD DEV = 1.03391

RESPONSE	FREQUENCY
1	13
2	37
3	23
4	16
5	5

QUESTION NUMBER 52
======= ======
MEAN = 2.39362
N= 94
VARIANCE = 1.1323
STD DEV = 1.0641

RESPONSE	FREQUENCY
1	19
2	36
3	28
4	5
5	6

QUESTION NUMBER 53
======= ======
MEAN = 3.5
N= 94
VARIANCE = 1.69631
STD DEV = 1.30262

RESPONSE	FREQUENCY
1	3
2	14
3	25
4	17
5	30

QUESTION NUMBER 54
======= ======
MEAN = 2.97372
N= 94
VARIANCE = 1.33997
STD DEV = 1.15757

RESPONSE	FREQUENCY
1	9
2	24
3	34
4	14
5	13

QUESTION NUMBER 61
======= ======
MEAN = 2.05319
N= 94
VARIANCE = .795041
STD DEV = .891651

RESPONSE	FREQUENCY
1	27
2	41
3	22
4	2
5	2

QUESTION NUMBER 62
======= ======
MEAN = 2.30851
N= 94
VARIANCE = .633863
STD DEV = .799292

RESPONSE	FREQUENCY
1	17
2	33
3	43
4	0
5	1

QUESTION NUMBER 63
======= ======
MEAN = 2.31915
N= 94
VARIANCE = 1.06836
STD DEV = 1.03361

RESPONSE	FREQUENCY
1	22
2	34
3	23
4	6
5	4

QUESTION NUMBER 58
======= ======
MEAN = 2.03511
N= 94
VARIANCE = .836377
STD DEV = .941476

RESPONSE	FREQUENCY
1	29
2	35
3	25
4	3
5	2

QUESTION NUMBER 59
======= ======
MEAN = 1.91489
N= 94
VARIANCE = .652335
STD DEV = .807673

RESPONSE	FREQUENCY
1	33
2	33
3	21
4	2
5	0

QUESTION NUMBER 60
======= ======
MEAN = 2.44681
N= 94
VARIANCE = 1.60887
STD DEV = 1.26341

RESPONSE	FREQUENCY
1	31
2	16
3	28
4	12
5	7

QUESTION NUMBER 55
======= ======
MEAN = 2.25532
N= 94
VARIANCE = 1.10502
STD DEV = 1.0512

RESPONSE	FREQUENCY
1	24
2	36
3	25
4	4
5	5

QUESTION NUMBER 56
======= ======
MEAN = 2.93936
N= 94
VARIANCE = .882363
STD DEV = .939608

RESPONSE	FREQUENCY
1	5
2	14
3	55
4	12
5	7

QUESTION NUMBER 57
======= ======
MEAN = 1.96809
N= 94
VARIANCE = .562314
STD DEV = .75021

RESPONSE	FREQUENCY
1	25
2	50
3	16
4	3
5	0

QUESTION NUMBER 64
======== =======
MEAN = 2.45745
N= 94
VARIANCE = .780101
STD DEV = .833233

RESPONSE	FREQUENCY
1	15
2	29
3	44
4	4
5	2

QUESTION NUMBER 65
======== =======
MEAN = 1.73404
N= 94
VARIANCE = .961133
STD DEV = .9804

RESPONSE	FREQUENCY
1	49
2	29
3	12
4	0
5	4

QUESTION NUMBER 66
======== =======
MEAN = 2.70213
N= 94
VARIANCE = 1.46446
STD DEV = 1.21015

RESPONSE	FREQUENCY
1	15
2	31
3	26
4	11
5	11

QUESTION NUMBER 67
======== =======
MEAN = 2.94681
N= 94
VARIANCE = 1.64611
STD DEV = 1.23301

RESPONSE	FREQUENCY
1	10
2	32
3	23
4	11
5	18

QUESTION NUMBER 68
======== =======
MEAN = 1.60633
N= 94
VARIANCE = .855707
STD DEV = .925044

RESPONSE	FREQUENCY
1	57
2	24
3	3
4	3
5	2

QUESTION NUMBER 69
======== =======
MEAN = 2.90425
N= 94
VARIANCE = 2.02275
STD DEV = 1.42223

RESPONSE	FREQUENCY
1	19
2	25
3	14
4	18
5	18

QUESTION NUMBER 70
======== =======
MEAN = 1.41489
N= 94
VARIANCE = .561904
STD DEV = .749603

RESPONSE	FREQUENCY
1	66
2	20
3	6
4	1
5	1

QUESTION NUMBER 71
======== =======
MEAN = 2.43617
N= 94
VARIANCE = 1.37359
STD DEV = 1.172

RESPONSE	FREQUENCY
1	24
2	23
3	25
4	11
5	6

QUESTION NUMBER 72
======== =======
MEAN = 2.53191
N= 94
VARIANCE = 1.78089
STD DEV = 1.3345

RESPONSE	FREQUENCY
1	24
2	31
3	17
4	9
5	13

QUESTION NUMBER 73
======== =======
MEAN = 1.23723
N= 94
VARIANCE = .433774
STD DEV = .6624
RESPONSE	FREQUENCY
1	74
2	16
3	2
4	1
5	1

QUESTION NUMBER 74
======== =======
MEAN = 3.14394
N= 94
VARIANCE = 1.78633
STD DEV = 1.33654
RESPONSE	FREQUENCY
1	11
2	23
3	23
4	15
5	22

QUESTION NUMBER 75
======== =======
MEAN = 2.7234
N= 94
VARIANCE = .83839
STD DEV = .915636
RESPONSE	FREQUENCY
1	8
2	26
3	50
4	4
5	6

QUESTION NUMBER 76
======== =======
MEAN = 2.56383
N= 94
VARIANCE = 1.07571
STD DEV = 1.03717
RESPONSE	FREQUENCY
1	15
2	31
3	32
4	12
5	4

QUESTION NUMBER 77
======== =======
MEAN = 2.54255
N= 94
VARIANCE = 1.46095
STD DEV = 1.2087
RESPONSE	FREQUENCY
1	19
2	34
3	21
4	11
5	9

QUESTION NUMBER 78
======== =======
MEAN = 2.57447
N= 94
VARIANCE = 1.79765
STD DEV = 1.34076
RESPONSE	FREQUENCY
1	26
2	23
3	22
4	11
5	12

QUESTION NUMBER 79
======== =======
MEAN = 2.07447
N= 94
VARIANCE = 1.30296
STD DEV = 1.14147
RESPONSE	FREQUENCY
1	37
2	30
3	14
4	9
5	4

QUESTION NUMBER 80
======== =======
MEAN = 2.51064
N= 94
VARIANCE = 1.46266
STD DEV = 1.2094
RESPONSE	FREQUENCY
1	21
2	32
3	21
4	12
5	3

QUESTION NUMBER 81
======== =======
MEAN = 2.81915
N= 94
VARIANCE = 2.42474
STD DEV = 1.55716
RESPONSE	FREQUENCY
1	28
2	18
3	13
4	13
5	22

QUESTION NUMBER 32
======= ======
MEAN = 2.33293
N= 94
VARIANCE = 1.72567
STD DEV = 1.31365

RESPONSE	FREQUENCY
1	32
2	21
3	25
4	5
5	11

QUESTION NUMBER 83
======= ======
MEAN = 1.64394
N= 94
VARIANCE = .674624
STD DEV = .821355

RESPONSE	FREQUENCY
1	52
2	25
3	15
4	2
5	0

QUESTION NUMBER 34
======= ======
MEAN = 1.23404
N= 94
VARIANCE = .34948
STD DEV = .591169

RESPONSE	FREQUENCY
1	78
2	12
3	2
4	2
5	0

QUESTION NUMBER 35
======= ======
MEAN = 1.53191
N= 94
VARIANCE = .67451
STD DEV = .821236

RESPONSE	FREQUENCY
1	58
2	26
3	8
4	0
5	2

QUESTION NUMBER 36
======= ======
MEAN = 1.25532
N= 94
VARIANCE = .275237
STD DEV = .524631

RESPONSE	FREQUENCY
1	74
2	16
3	4
4	0
5	0

QUESTION NUMBER 87
======= ======
MEAN = 1.47872
N= 94
VARIANCE = .568694
STD DEV = .754118

RESPONSE	FREQUENCY
1	60
2	26
3	6
4	1
5	1

QUESTION NUMBER 38
======= ======
MEAN = 1.3617
N= 94
VARIANCE = .422363
STD DEV = .649895

RESPONSE	FREQUENCY
1	69
2	16
3	9
4	0
5	0

QUESTION NUMBER 39
======= ======
MEAN = 2.17021
N= 94
VARIANCE = 1.24763
STD DEV = 1.11697

RESPONSE	FREQUENCY
1	33
2	27
3	23
4	7
5	4

APPENDIX 12   RESPONSES FROM CRAFT STUDENTS OVER 18 YEARS OF AGE

QUESTION NUMBER 1
======= ======
MEAN = 3.31915
N= 94
VARIANCE = 1.57899
STD DEV = 1.25658

RESPONSE	FREQUENCY
1	5
2	24
3	26
4	14
5	25

QUESTION NUMBER 2
======= ======
MEAN = 3.8617
N= 94
VARIANCE = 1.35321
STD DEV = 1.16327

RESPONSE	FREQUENCY
1	5
2	8
3	17
4	29
5	35

QUESTION NUMBER 3
======= ======
MEAN = 3.03191
N= 94
VARIANCE = 2.11601
STD DEV = 1.45465

RESPONSE	FREQUENCY
1	20
2	15
3	24
4	12
5	23

QUESTION NUMBER 4
======= ======
MEAN = 3.56333
N= 94
VARIANCE = 1.45369
STD DEV = 1.20776

RESPONSE	FREQUENCY
1	8
2	5
3	35
4	13
5	23

QUESTION NUMBER 5
======= ======
MEAN = 1.8617
N= 94
VARIANCE = .97023
STD DEV = .985002

RESPONSE	FREQUENCY
1	41
2	34
3	13
4	3
5	3

QUESTION NUMBER 6
======= ======
MEAN = 2.17021
N= 94
VARIANCE = 1.39656
STD DEV = 1.18176

RESPONSE	FREQUENCY
1	33
2	31
3	18
4	5
5	7

QUESTION NUMBER 7
======= ======
MEAN = 4.03191
N= 94
VARIANCE = 1.43515
STD DEV = 1.19793

RESPONSE	FREQUENCY
1	6
2	5
3	15
4	22
5	46

QUESTION NUMBER 8
======= ======
MEAN = 2.60633
N= 94
VARIANCE = 1.15358
STD DEV = 1.07405

RESPONSE	FREQUENCY
1	15
2	25
3	40
4	6
5	7

QUESTION NUMBER 9
======= ======
MEAN = 2.5
N= 94
VARIANCE = 1.18617
STD DEV = 1.08912

RESPONSE	FREQUENCY
1	16
2	35
3	28
4	7
5	7

QUESTION NUMBER 10
======= =======
MEAN = 3.53511
N= 94
VARIANCE = 1.96616
STD DEV = 1.4022
RESPONSE   FREQUENCY
1   14
2   5
3   21
4   20
5   34

QUESTION NUMBER 11
======= =======
MEAN = 2.32979
N= 94
VARIANCE = 1.56146
STD DEV = 1.24958
RESPONSE   FREQUENCY
1   33
2   22
3   19
4   15
5   5

QUESTION NUMBER 12
======= =======
MEAN = 2
N= 94
VARIANCE = 1
STD DEV = 1
RESPONSE   FREQUENCY
1   36
2   32
3   17
4   3
5   1

QUESTION NUMBER 13
======= =======
MEAN = 3.01064
N= 94
VARIANCE = 2.22329
STD DEV = 1.49107
RESPONSE   FREQUENCY
1   22
2   14
3   23
4   11
5   24

QUESTION NUMBER 14
======= =======
MEAN = 2.20213
N= 94
VARIANCE = 1.90596
STD DEV = 1.38056
RESPONSE   FREQUENCY
1   39
2   23
3   8
4   7
5   12

QUESTION NUMBER 15
======= =======
MEAN = 2.35106
N= 94
VARIANCE = 1.07888
STD DEV = 1.03869
RESPONSE   FREQUENCY
1   19
2   40
3   22
4   9
5   4

QUESTION NUMBER 16
======= =======
MEAN = 2.10638
N= 94
VARIANCE = 1.26528
STD DEV = 1.12435
RESPONSE   FREQUENCY
1   34
2   33
3   14
4   9
5   4

QUESTION NUMBER 17
======= =======
MEAN = 2.11702
N= 94
VARIANCE = 1.57141
STD DEV = 1.25356
RESPONSE   FREQUENCY
1   40
2   24
3   17
4   5
5   8

QUESTION NUMBER 18
======= =======
MEAN = 2.45745
N= 94
VARIANCE = 1.69499
STD DEV = 1.30192
RESPONSE   FREQUENCY
1   30
2   19
3   27
4   3
5   10

QUESTION NUMBER 19
======= ======
MEAN = 4.21277
N= 94
VARIANCE = 1.21005
STD DEV = 1.10002

RESPONSE	FREQUENCY
1	4
2	4
3	13
4	20
5	53

QUESTION NUMBER 20
======= ======
MEAN = 2.61702
N= 94
VARIANCE = 2.30014
STD DEV = 1.51662

RESPONSE	FREQUENCY
1	32
2	18
3	17
4	8
5	19

QUESTION NUMBER 21
======= ======
MEAN = 2.88298
N= 94
VARIANCE = 1.74162
STD DEV = 1.31971

RESPONSE	FREQUENCY
1	15
2	24
3	25
4	13
5	15

QUESTION NUMBER 22
======= ======
MEAN = 2.2234
N= 94
VARIANCE = 1.51392
STD DEV = 1.23042

RESPONSE	FREQUENCY
1	32
2	30
3	21
4	1
5	10

QUESTION NUMBER 23
======= ======
MEAN = 2.51064
N= 94
VARIANCE = 1.65414
STD DEV = 1.28614

RESPONSE	FREQUENCY
1	29
2	16
3	30
4	10
5	9

QUESTION NUMBER 24
======= ======
MEAN = 1.95745
N= 94
VARIANCE = 1.14713
STD DEV = 1.07104

RESPONSE	FREQUENCY
1	41
2	27
3	19
4	3
5	4

QUESTION NUMBER 25
======= ======
MEAN = 1.59575
N= 94
VARIANCE = .794023
STD DEV = .891083

RESPONSE	FREQUENCY
1	57
2	23
3	11
4	1
5	2

QUESTION NUMBER 26
======= ======
MEAN = 2.57447
N= 94
VARIANCE = 1.49977
STD DEV = 1.22465

RESPONSE	FREQUENCY
1	23
2	20
3	35
4	6
5	10

QUESTION NUMBER 27
======= ======
MEAN = 3.41489
N= 94
VARIANCE = 1.41297
STD DEV = 1.18868

RESPONSE	FREQUENCY
1	7
2	13
3	29
4	24
5	21

QUESTION NUMBER 28
======= ======
MEAN = 1.30851
N= 94
VARIANCE = .404823
STD DEV = .636257

RESPONSE	FREQUENCY
1	73
2	14
3	6
4	1
5	0

QUESTION NUMBER 29
======= ======
MEAN = 1.68085
N= 94
VARIANCE = .749203
STD DEV = .865569

RESPONSE	FREQUENCY
1	51
2	25
3	16
4	1
5	1

QUESTION NUMBER 30
======= ======
MEAN = 1.47872
N= 94
VARIANCE = .738907
STD DEV = .859597

RESPONSE	FREQUENCY
1	65
2	18
3	8
4	1
5	2

QUESTION NUMBER 31
======= ======
MEAN = 4
N= 94
VARIANCE = 1.29737
STD DEV = 1.13924

RESPONSE	FREQUENCY
1	4
2	7
3	16
4	25
5	42

QUESTION NUMBER 32
======= ======
MEAN = 3.45745
N= 94
VARIANCE = 1.95032
STD DEV = 1.39654

RESPONSE	FREQUENCY
1	13
2	12
3	17
4	23
5	29

QUESTION NUMBER 33
======= ======
MEAN = 2.48936
N= 94
VARIANCE = 1.29244
STD DEV = 1.13686

RESPONSE	FREQUENCY
1	23
2	23
3	32
4	11
5	5

QUESTION NUMBER 34
======= ======
MEAN = 3.05319
N= 94
VARIANCE = 1.02908
STD DEV = 1.01444

RESPONSE	FREQUENCY
1	7
2	15
3	48
4	14
5	10

QUESTION NUMBER 35
======= ======
MEAN = 3.09575
N= 94
VARIANCE = 1.10735
STD DEV = 1.05255

RESPONSE	FREQUENCY
1	6
2	20
3	37
4	21
5	10

QUESTION NUMBER 36
======= ======
MEAN = 2.6383
N= 94
VARIANCE = 1.2947
STD DEV = 1.13785

RESPONSE	FREQUENCY
1	14
2	34
3	26
4	12
5	8

QUESTION NUMBER 37
======= ======
MEAN = 2.87234
N= 94
VARIANCE = 1.49434
STD DEV = 1.22245
RESPONSE   FREQUENCY
1   13
2   25
3   30
4   13
5   13

QUESTION NUMBER 38
======= ======
MEAN = 2.18085
N= 94
VARIANCE = 1.06393
STD DEV = 1.03184
RESPONSE   FREQUENCY
1   24
2   43
3   18
4   4
5   5

QUESTION NUMBER 39
======= ======
MEAN = 2.39362
N= 94
VARIANCE = .855707
STD DEV = .925044
RESPONSE   FREQUENCY
1   16
2   35
3   36
4   4
5   3

QUESTION NUMBER 40
======= ======
MEAN = 2.89362
N= 94
VARIANCE = 1.37166
STD DEV = 1.17118
RESPONSE   FREQUENCY
1   11
2   24
3   36
4   10
5   13

QUESTION NUMBER 41
======= ======
MEAN = 2.7234
N= 94
VARIANCE = .859667
STD DEV = .927182
RESPONSE   FREQUENCY
1   8
2   29
3   42
4   11
5   4

QUESTION NUMBER 42
======= ======
MEAN = 2.68035
N= 94
VARIANCE = 1.04708
STD DEV = 1.02327
RESPONSE   FREQUENCY
1   13
2   24
3   43
4   6
5   6

QUESTION NUMBER 43
======= ======
MEAN = 3.3617
N= 94
VARIANCE = 1.2096
STD DEV = 1.09932
RESPONSE   FREQUENCY
1   5
2   15
3   31
4   27
5   16

QUESTION NUMBER 44
======= ======
MEAN = 3.23454
N= 94
VARIANCE = 1.51969
STD DEV = 1.23275
RESPONSE   FREQUENCY
1   12
2   9
3   36
4   19
5   13

QUESTION NUMBER 45
======= ======
MEAN = 3.30851
N= 94
VARIANCE = 2.25539
STD DEV = 1.50196
RESPONSE   FREQUENCY
1   20
2   9
3   14
4   24
5   27

QUESTION NUMBER 46
======= ======
MEAN = 2.25532
N= 94
VARIANCE = 1.36034
STD DEV = 1.16634
RESPONSE   FREQUENCY
1   30
2   29
3   22
4   7
5   6

QUESTION NUMBER 47
======= ======
MEAN = 2.91489
N= 94
VARIANCE = 2.26935
STD DEV = 1.50644
RESPONSE   FREQUENCY
1   25
2   16
3   15
4   18
5   20

QUESTION NUMBER 48
======= ======
MEAN = 2.15957
N= 94
VARIANCE = 1.13411
STD DEV = 1.06495
RESPONSE   FREQUENCY
1   33
2   24
3   29
4   5
5   3

QUESTION NUMBER 49
======= ======
MEAN = 2.52128
N= 94
VARIANCE = 1.20699
STD DEV = 1.09863
RESPONSE   FREQUENCY
1   16
2   34
3   31
4   5
5   3

QUESTION NUMBER 50
======= ======
MEAN = 2.69149
N= 94
VARIANCE = 1.23461
STD DEV = 1.11113
RESPONSE   FREQUENCY
1   13
2   30
3   32
4   11
5   8

QUESTION NUMBER 51
======= ======
MEAN = 2.78723
N= 94
VARIANCE = 1.57175
STD DEV = 1.2537
RESPONSE   FREQUENCY
1   12
2   36
3   20
4   12
5   14

QUESTION NUMBER 52
======= ======
MEAN = 2.75532
N= 94
VARIANCE = 1.41886
STD DEV = 1.19115
RESPONSE   FREQUENCY
1   15
2   26
3   30
4   13
5   10

QUESTION NUMBER 50
======= ======
MEAN = 3.34043
N= 94
VARIANCE = 1.84155
STD DEV = 1.35704
RESPONSE   FREQUENCY
1   9
2   20
3   24
4   12
5   29

QUESTION NUMBER 54
======= ======
MEAN = 3.2234
N= 94
VARIANCE = 1.81179
STD DEV = 1.34603
RESPONSE   FREQUENCY
1   10
2   22
3   24
4   13
5   25

QUESTION NUMBER 55
======= ======
MEAN = 2.2766
N= 94
VARIANCE = 1.24265
STD DEV = 1.11474
RESPONSE   FREQUENCY
1   28
2   27
3   30
4   3
5   6

QUESTION NUMBER 56
======= ======
MEAN = 3.15957
N= 94
VARIANCE = 1.02773
STD DEV = 1.01377
RESPONSE   FREQUENCY
1   5
2   15
3   46
4   16
5   12

QUESTION NUMBER 57
======= ======
MEAN = 2.23404
N= 94
VARIANCE = 1.20054
STD DEV = 1.09569
RESPONSE   FREQUENCY
1   25
2   39
3   19
4   5
5   6

QUESTION NUMBER 58
======= ======
MEAN = 1.93617
N= 94
VARIANCE = .97465
STD DEV = .937244
RESPONSE   FREQUENCY
1   40
2   27
3   22
4   3
5   2

QUESTION NUMBER 59
======= ======
MEAN = 1.98936
N= 94
VARIANCE = .862865
STD DEV = .939609
RESPONSE   FREQUENCY
1   36
2   28
3   26
4   3
5   1

QUESTION NUMBER 60
======= ======
MEAN = 2.03191
N= 94
VARIANCE = 1.13728
STD DEV = 1.06643
RESPONSE   FREQUENCY
1   40
2   21
3   25
4   6
5   2

QUESTION NUMBER 61
======= ======
MEAN = 2.13085
N= 94
VARIANCE = 1.25452
STD DEV = 1.12006
RESPONSE   FREQUENCY
1   34
2   23
3   27
4   6
5   4

QUESTION NUMBER 62
======= ======
MEAN = 2.45745
N= 94
VARIANCE = 1.01414
STD DEV = 1.00705
RESPONSE   FREQUENCY
1   20
2   25
3   37
4   10
5   2

QUESTION NUMBER 63
======= ======
MEAN = 1.96309
N= 94
VARIANCE = .733027
STD DEV = .85617
RESPONSE   FREQUENCY
1   33
2   34
3   24
4   3
5   3

QUESTION NUMBER 64
======= =======
MEAN = 2.09575
N= 94
VARIANCE = 1.02275
STD DEV = 1.01131

RESPONSE	FREQUENCY
1	35
2	22
3	32
4	3
5	2

QUESTION NUMBER 65
======= =======
MEAN = 2.1333
N= 94
VARIANCE = 1.14044
STD DEV = 1.05791

RESPONSE	FREQUENCY
1	30
2	35
3	19
4	6
5	4

QUESTION NUMBER 66
======= =======
MEAN = 2.55319
N= 94
VARIANCE = 1.3961
STD DEV = 1.18157

RESPONSE	FREQUENCY
1	18
2	32
3	28
4	6
5	10

QUESTION NUMBER 67
======= =======
MEAN = 3.26596
N= 94
VARIANCE = 1.89735
STD DEV = 1.37744

RESPONSE	FREQUENCY
1	16
2	22
3	23
4	11
5	28

QUESTION NUMBER 68
======= =======
MEAN = 1.69149
N= 94
VARIANCE = 1.02185
STD DEV = 1.01086

RESPONSE	FREQUENCY
1	55
2	22
3	11
4	3
5	3

QUESTION NUMBER 69
======= =======
MEAN = 2.69149
N= 94
VARIANCE = 1.76653
STD DEV = 1.32911

RESPONSE	FREQUENCY
1	20
2	29
3	18
4	14
5	13

QUESTION NUMBER 70
======= =======
MEAN = 1.75532
N= 94
VARIANCE = .972049
STD DEV = .985925

RESPONSE	FREQUENCY
1	49
2	27
3	13
4	2
5	3

QUESTION NUMBER 71
======= =======
MEAN = 2.91489
N= 94
VARIANCE = 1.69489
STD DEV = 1.30183

RESPONSE	FREQUENCY
1	14
2	26
3	24
4	14
5	16

QUESTION NUMBER 72
======= =======
MEAN = 3.14894
N= 94
VARIANCE = 1.78633
STD DEV = 1.33654

RESPONSE	FREQUENCY
1	12
2	21
3	23
4	17
5	21

QUESTION NUMBER 73
======= ======
MEAN = 1.51064
N= 94
VARIANCE = 1.01535
STD DEV = 1.00739
RESPONSE   FREQUENCY
1   67
2   16
3   6
4   0
5   5

QUESTION NUMBER 74
======= ======
MEAN = 3.31915
N= 94
VARIANCE = 1.87687
STD DEV = 1.36999
RESPONSE   FREQUENCY
1   11
2   18
3   22
4   16
5   27

QUESTION NUMBER 75
======= ======
MEAN = 2.61915
N= 94
VARIANCE = 1.16942
STD DEV = 1.0814
RESPONSE   FREQUENCY
1   11
2   23
3   41
4   10
5   9

QUESTION NUMBER 76
======= ======
MEAN = 2.51064
N= 94
VARIANCE = 1.67542
STD DEV = 1.29433
RESPONSE   FREQUENCY
1   23
2   19
3   26
4   9
5   18

QUESTION NUMBER 77
======= ======
MEAN = 2.58511
N= 94
VARIANCE = 1.51935
STD DEV = 1.23262
RESPONSE   FREQUENCY
1   23
2   22
3   28
4   13
5   8

QUESTION NUMBER 78
======= ======
MEAN = 2.59575
N= 94
VARIANCE = 1.75147
STD DEV = 1.32343
RESPONSE   FREQUENCY
1   23
2   26
3   25
4   6
5   14

QUESTION NUMBER 79
======= ======
MEAN = 2.62633
N= 94
VARIANCE = 1.56422
STD DEV = 1.29005
RESPONSE   FREQUENCY
1   23
2   25
3   22
4   14
5   10

QUESTION NUMBER 80
======= ======
MEAN = 2.53511
N= 94
VARIANCE = 1.92361
STD DEV = 1.38694
RESPONSE   FREQUENCY
1   25
2   29
3   14
4   12
5   14

QUESTION NUMBER 81
======= ======
MEAN = 2.65957
N= 94
VARIANCE = 2.18198
STD DEV = 1.47715
RESPONSE   FREQUENCY
1   27
2   23
3   19
4   5
5   20

QUESTION NUMBER 32
======= =======
MEAN = 2.39362
N= 94
VARIANCE = 1.15358
STD DEV = 1.07425
RESPONSE   FREQUENCY
1   24
2   25
3   32
4   10
5   3

QUESTION NUMBER 33
======= =======
MEAN = 1.89362
N= 94
VARIANCE = .83975
STD DEV = .916379
RESPONSE   FREQUENCY
1   41
2   25
3   26
4   1
5   1

QUESTION NUMBER 34
======= =======
MEAN = 1.41489
N= 94
VARIANCE = .625734
STD DEV = .791034
RESPONSE   FREQUENCY
1   69
2   14
3   9
4   1
5   1

QUESTION NUMBER 85
======= =======
MEAN = 1.51064
N= 94
VARIANCE = .675421
STD DEV = .82184
RESPONSE   FREQUENCY
1   62
2   19
3   11
4   1
5   1

QUESTION NUMBER 86
======= =======
MEAN = 1.55319
N= 94
VARIANCE = .779033
STD DEV = .882657
RESPONSE   FREQUENCY
1   61
2   19
3   10
4   3
5   1

QUESTION NUMBER 87
======= =======
MEAN = 1.7234
N= 94
VARIANCE = .859667
STD DEV = .927182
RESPONSE   FREQUENCY
1   50
2   25
3   16
4   1
5   2

QUESTION NUMBER 88
======= =======
MEAN = 1.70213
N= 94
VARIANCE = .733612
STD DEV = .885219
RESPONSE   FREQUENCY
1   51
2   24
3   15
4   4
5   0

QUESTION NUMBER 89
======= =======
MEAN = 2.55319
N= 94
VARIANCE = 1.9493
STD DEV = 1.39617
RESPONSE   FREQUENCY
1   29
2   21
3   21
4   9
5   14

APPENDIX 13   RESPONSES FROM TECHNICIAN STUDENTS OVER 18 YEARS OF AGE

QUESTION NUMBER 1
======= ======
MEAN = 3.19149
N= 94
VARIANCE = 1.81439
STD DEV = 1.34699

RESPONSE	FREQUENCY
1	13
2	17
3	25
4	17
5	22

QUESTION NUMBER 2
======= ======
MEAN = 3.80851
N= 94
VARIANCE = 1.41014
STD DEV = 1.18749

RESPONSE	FREQUENCY
1	6
2	9
3	14
4	33
5	32

QUESTION NUMBER 3
======= ======
MEAN = 2.80851
N= 94
VARIANCE = 1.5378
STD DEV = 1.24008

RESPONSE	FREQUENCY
1	15
2	30
3	15
4	26
5	3

QUESTION NUMBER 4
======= ======
MEAN = 3.19149
N= 94
VARIANCE = 1.23243
STD DEV = 1.13247

RESPONSE	FREQUENCY
1	8
2	12
3	45
4	12
5	17

QUESTION NUMBER 5
======= ======
MEAN = 1.69149
N= 94
VARIANCE = .809082
STD DEV = .89949

RESPONSE	FREQUENCY
1	49
2	31
3	10
4	2
5	2

QUESTION NUMBER 6
======= ======
MEAN = 2.05319
N= 94
VARIANCE = 1.15674
STD DEV = 1.07552

RESPONSE	FREQUENCY
1	33
2	38
3	12
4	7
5	4

QUESTION NUMBER 7
======= ======
MEAN = 4.30851
N= 94
VARIANCE = .979295
STD DEV = .989593

RESPONSE	FREQUENCY
1	4
2	2
3	6
4	31
5	51

QUESTION NUMBER 3
======= ======
MEAN = 2.23424
N= 94
VARIANCE = .711181
STD DEV = .843315

RESPONSE	FREQUENCY
1	19
2	39
3	32
4	3
5	1

QUESTION NUMBER 9
======= ======
MEAN = 2.37234
N= 94
VARIANCE = .893278
STD DEV = .945134

RESPONSE	FREQUENCY
1	15
2	42
3	27
4	7
5	3

QUESTION NUMBER 10
======= ======
MEAN = 4
N= 94
VARIANCE = 1.35106
STD DEV = 1.36054
RESPONSE   FREQUENCY
1   12
2   2
3   9
4   22
5   49

QUESTION NUMBER 11
======= ======
MEAN = 2.92553
N= 94
VARIANCE = 1.94126
STD DEV = 1.39329
RESPONSE   FREQUENCY
1   22
2   15
3   19
4   24
5   14

QUESTION NUMBER 12
======= ======
MEAN = 1.91489
N= 94
VARIANCE = 1.07787
STD DEV = 1.0382
RESPONSE   FREQUENCY
1   41
2   32
3   11
4   8
5   2

QUESTION NUMBER 13
======= ======
MEAN = 2.7234
N= 94
VARIANCE = 2.11499
STD DEV = 1.4543
RESPONSE   FREQUENCY
1   29
2   14
3   20
4   16
5   15

QUESTION NUMBER 14
======= ======
MEAN = 2.5
N= 94
VARIANCE = 1.9734
STD DEV = 1.40478
RESPONSE   FREQUENCY
1   30
2   26
3   11
4   15
5   12

QUESTION NUMBER 15
======= ======
MEAN = 2.12766
N= 94
VARIANCE = .398596
STD DEV = .947943
RESPONSE   FREQUENCY
1   24
2   44
3   19
4   4
5   3

QUESTION NUMBER 16
======= ======
MEAN = 1.81915
N= 94
VARIANCE = 1.10559
STD DEV = 1.05147
RESPONSE   FREQUENCY
1   47
2   29
3   9
4   6
5   3

QUESTION NUMBER 17
======= ======
MEAN = 1.89362
N= 94
VARIANCE = 1.28656
STD DEV = 1.13426
RESPONSE   FREQUENCY
1   46
2   26
3   14
4   2
5   6

QUESTION NUMBER 18
======= ======
MEAN = 2.07447
N= 94
VARIANCE = 1.21786
STD DEV = 1.10357
RESPONSE   FREQUENCY
1   36
2   29
3   19
4   6
5   4

QUESTION NUMBER 19
======= ======
MEAN = 4.29737
N= 94
VARIANCE = 1.23042
STD DEV = 1.10924

RESPONSE	FREQUENCY
1	5
2	3
3	9
4	19
5	58

QUESTION NUMBER 20
======= ======
MEAN = 2.51064
N= 94
VARIANCE = 2.16478
STD DEV = 1.47132

RESPONSE	FREQUENCY
1	32
2	23
3	15
4	7
5	17

QUESTION NUMBER 21
======= ======
MEAN = 2.55319
N= 94
VARIANCE = 1.41738
STD DEV = 1.19054

RESPONSE	FREQUENCY
1	18
2	34
3	23
4	10
5	9

QUESTION NUMBER 22
======= ======
MEAN = 2.05319
N= 94
VARIANCE = 1.17802
STD DEV = 1.03537

RESPONSE	FREQUENCY
1	37
2	27
3	22
4	4
5	4

QUESTION NUMBER 23
======= ======
MEAN = 2.80851
N= 94
VARIANCE = 1.32503
STD DEV = 1.1511

RESPONSE	FREQUENCY
1	13
2	22
3	41
4	6
5	12

QUESTION NUMBER 24
======= ======
MEAN = 1.38293
N= 94
VARIANCE = 1.13343
STD DEV = 1.09015

RESPONSE	FREQUENCY
1	45
2	23
3	12
4	5
5	4

QUESTION NUMBER 25
======= ======
MEAN = 1.47872
N= 94
VARIANCE = .433589
STD DEV = .695405

RESPONSE	FREQUENCY
1	57
2	31
3	5
4	0
5	1

QUESTION NUMBER 26
======= ======
MEAN = 2.43936
N= 94
VARIANCE = 1.43393
STD DEV = 1.21317

RESPONSE	FREQUENCY
1	19
2	39
3	17
4	9
5	10

QUESTION NUMBER 27
======= ======
MEAN = 3.19149
N= 94
VARIANCE = 1.41014
STD DEV = 1.18749

RESPONSE	FREQUENCY
1	5
2	27
3	24
4	21
5	17

QUESTION NUMBER 23
======= ======
MEAN = 1.25532
N= 94
VARIANCE = .275237
STD DEV = .524631
RESPONSE   FREQUENCY
1   74
2   16
3   4
4   0
5   0

QUESTION NUMBER 29
======= ======
MEAN = 1.57447
N= 94
VARIANCE = .584882
STD DEV = .764776
RESPONSE   FREQUENCY
1   55
2   25
3   13
4   1
5   0

QUESTION NUMBER 30
======= ======
MEAN = 1.48936
N= 94
VARIANCE = .462653
STD DEV = .630186
RESPONSE   FREQUENCY
1   55
2   26
3   10
4   0
5   0

QUESTION NUMBER 31
======= ======
MEAN = 3.7234
N= 94
VARIANCE = 1.49796
STD DEV = 1.22391
RESPONSE   FREQUENCY
1   7
2   7
3   24
4   23
5   33

QUESTION NUMBER 32
======= ======
MEAN = 2.93617
N= 94
VARIANCE = 1.95337
STD DEV = 1.39763
RESPONSE   FREQUENCY
1   21
2   15
3   24
4   17
5   17

QUESTION NUMBER 33
======= ======
MEAN = 2.40425
N= 94
VARIANCE = .96424
STD DEV = .931957
RESPONSE   FREQUENCY
1   15
2   41
3   27
4   7
5   4

QUESTION NUMBER 34
======= ======
MEAN = 3.01064
N= 94
VARIANCE = .776431
STD DEV = .881181
RESPONSE   FREQUENCY
1   4
2   18
3   51
4   15
5   6

QUESTION NUMBER 35
======= ======
MEAN = 2.88298
N= 94
VARIANCE = .933113
STD DEV = .965978
RESPONSE   FREQUENCY
1   4
2   33
3   32
4   20
5   5

QUESTION NUMBER 36
======= ======
MEAN = 2.29787
N= 94
VARIANCE = .911273
STD DEV = .954686
RESPONSE   FREQUENCY
1   16
2   48
3   19
4   3
5   3

QUESTION NUMBER 37
======= =======
MEAN = 2.80851
N= 94
VARIANCE = 1.6229
STD DEV = 1.27393

RESPONSE	FREQUENCY
1	15
2	30
3	19
4	13
5	12

QUESTION NUMBER 38
======= =======
MEAN = 2
N= 94
VARIANCE = 1.10633
STD DEV = 1.05135

RESPONSE	FREQUENCY
1	35
2	37
3	13
4	5
5	4

QUESTION NUMBER 39
======= =======
MEAN = 2.15957
N= 94
VARIANCE = .914963
STD DEV = .902753

RESPONSE	FREQUENCY
1	22
2	42
3	23
4	4
5	2

QUESTION NUMBER 40
======= =======
MEAN = 2.64394
N= 94
VARIANCE = 1.24909
STD DEV = 1.11763

RESPONSE	FREQUENCY
1	18
2	21
3	37
4	12
5	6

QUESTION NUMBER 41
======= =======
MEAN = 2.54255
N= 94
VARIANCE = .929039
STD DEV = .963867

RESPONSE	FREQUENCY
1	11
2	38
3	32
4	9
5	4

QUESTION NUMBER 42
======= =======
MEAN = 2.42553
N= 94
VARIANCE = 1.2019
STD DEV = 1.09631

RESPONSE	FREQUENCY
1	20
2	33
3	28
4	7
5	6

QUESTION NUMBER 43
======= =======
MEAN = 3.07447
N= 94
VARIANCE = 1.0902
STD DEV = 1.04413

RESPONSE	FREQUENCY
1	6
2	20
3	39
4	19
5	10

QUESTION NUMBER 44
======= =======
MEAN = 2.76596
N= 94
VARIANCE = 1.13671
STD DEV = 1.06617

RESPONSE	FREQUENCY
1	11
2	27
3	36
4	13
5	7

QUESTION NUMBER 45
======= =======
MEAN = 3.41489
N= 94
VARIANCE = 1.90233
STD DEV = 1.37925

RESPONSE	FREQUENCY
1	9
2	23
3	10
4	24
5	28

QUESTION NUMBER 46
======= =======
MEAN = 2.37234
N= 94
VARIANCE = 1.31881
STD DEV = 1.14839
RESPONSE   FREQUENCY
1   23
2   35
3   20
4   10
5   6

QUESTION NUMBER 47
======= =======
MEAN = 2.69149
N= 94
VARIANCE = 1.91546
STD DEV = 1.334
RESPONSE   FREQUENCY
1   24
2   24
3   16
4   17
5   13

QUESTION NUMBER 48
======= =======
MEAN = 2.22213
N= 94
VARIANCE = 1.11872
STD DEV = 1.05577
RESPONSE   FREQUENCY
1   28
2   33
3   22
4   6
5   3

QUESTION NUMBER 49
======= =======
MEAN = 2.53191
N= 94
VARIANCE = 1.18515
STD DEV = 1.08365
RESPONSE   FREQUENCY
1   14
2   41
3   19
4   15
5   5

QUESTION NUMBER 50
======= =======
MEAN = 2.56383
N= 94
VARIANCE = 1.09699
STD DEV = 1.04737
RESPONSE   FREQUENCY
1   14
2   35
3   27
4   14
5   4

QUESTION NUMBER 51
======= =======
MEAN = 2.67021
N= 94
VARIANCE = 1.32741
STD DEV = 1.15213
RESPONSE   FREQUENCY
1   11
2   40
3   22
4   11
5   10

QUESTION NUMBER 52
======= =======
MEAN = 2.7234
N= 94
VARIANCE = 1.17882
STD DEV = 1.03573
RESPONSE   FREQUENCY
1   9
2   33
3   24
4   16
5   7

QUESTION NUMBER 53
======= =======
MEAN = 3.29787
N= 94
VARIANCE = 1.74106
STD DEV = 1.31949
RESPONSE   FREQUENCY
1   11
2   15
3   27
4   17
5   24

QUESTION NUMBER 54
======= =======
MEAN = 3.17021
N= 94
VARIANCE = 1.41784
STD DEV = 1.19073
RESPONSE   FREQUENCY
1   7
2   19
3   29
4   24
5   14

QUESTION NUMBER 55
======= =======
MEAN = 1.93617
N= 94
VARIANCE = .839543
STD DEV = .943156

RESPONSE	FREQUENCY
1	35
2	35
3	15
4	4
5	2

QUESTION NUMBER 56
======= =======
MEAN = 3.2234
N= 94
VARIANCE = .918177
STD DEV = .958216

RESPONSE	FREQUENCY
1	3
2	16
3	42
4	23
5	10

QUESTION NUMBER 57
======= =======
MEAN = 2.20213
N= 94
VARIANCE = .948509
STD DEV = .973914

RESPONSE	FREQUENCY
1	21
2	46
3	17
4	7
5	3

QUESTION NUMBER 58
======= =======
MEAN = 1.78723
N= 94
VARIANCE = .741964
STD DEV = .861373

RESPONSE	FREQUENCY
1	44
2	29
3	13
4	3
5	0

QUESTION NUMBER 59
======= =======
MEAN = 1.70213
N= 94
VARIANCE = .570847
STD DEV = .755544

RESPONSE	FREQUENCY
1	44
2	35
3	14
4	1
5	0

QUESTION NUMBER 60
======= =======
MEAN = 2.03191
N= 94
VARIANCE = 1.05213
STD DEV = 1.02576

RESPONSE	FREQUENCY
1	36
2	29
3	21
4	6
5	2

QUESTION NUMBER 61
======= =======
MEAN = 2.1383
N= 94
VARIANCE = .991507
STD DEV = .995744

RESPONSE	FREQUENCY
1	25
2	40
3	21
4	3
5	4

QUESTION NUMBER 62
======= =======
MEAN = 2.43617
N= 94
VARIANCE = 1.01186
STD DEV = 1.00592

RESPONSE	FREQUENCY
1	15
2	39
3	29
4	6
5	5

QUESTION NUMBER 63
======= =======
MEAN = 2.01064
N= 94
VARIANCE = .733928
STD DEV = .856696

RESPONSE	FREQUENCY
1	29
2	39
3	23
4	2
5	1

QUESTION NUMBER 64
======= =======
MEAN = 2.14894
N= 94
VARIANCE = .786329
STD DEV = .886752
RESPONSE   FREQUENCY
   1   22
   2   43
   3   24
   4   3
   5   2

QUESTION NUMBER 65
======= =======
MEAN = 1.60638
N= 94
VARIANCE = .834431
STD DEV = .913472
RESPONSE   FREQUENCY
   1   53
   2   33
   3   4
   4   0
   5   4

QUESTION NUMBER 66
======= =======
MEAN = 2.73404
N= 94
VARIANCE = 2.04629
STD DEV = 1.43049
RESPONSE   FREQUENCY
   1   21
   2   30
   3   15
   4   9
   5   19

QUESTION NUMBER 67
======= =======
MEAN = 2.87234
N= 94
VARIANCE = 1.70711
STD DEV = 1.30656
RESPONSE   FREQUENCY
   1   16
   2   26
   3   19
   4   20
   5   13

QUESTION NUMBER 68
======= =======
MEAN = 1.82979
N= 94
VARIANCE = .928473
STD DEV = .963575
RESPONSE   FREQUENCY
   1   42
   2   35
   3   10
   4   5
   5   2

QUESTION NUMBER 69
======= =======
MEAN = 2.85293
N= 94
VARIANCE = 1.82673
STD DEV = 1.35157
RESPONSE   FREQUENCY
   1   13
   2   34
   3   17
   4   11
   5   19

QUESTION NUMBER 70
======= =======
MEAN = 1.38298
N= 94
VARIANCE = .593027
STD DEV = .773309
RESPONSE   FREQUENCY
   1   69
   2   13
   3   5
   4   0
   5   0

QUESTION NUMBER 71
======= =======
MEAN = 3
N= 94
VARIANCE = 1.57447
STD DEV = 1.25473
RESPONSE   FREQUENCY
   1   9
   2   30
   3   24
   4   14
   5   17

QUESTION NUMBER 72
======= =======
MEAN = 3.24468
N= 94
VARIANCE = 1.54652
STD DEV = 1.24359
RESPONSE   FREQUENCY
   1   8
   2   20
   3   27
   4   19
   5   20

QUESTION NUMBER 73
======= ======
MEAN = 1.52123
N= 94
VARIANCE = .760185
STD DEV = .871836

RESPONSE	FREQUENCY
1	62
2	20
3	9
4	1
5	2

QUESTION NUMBER 74
======= ======
MEAN = 3.46309
N= 94
VARIANCE = 1.73534
STD DEV = 1.31846

RESPONSE	FREQUENCY
1	7
2	19
3	21
4	17
5	30

QUESTION NUMBER 75
======= ======
MEAN = 2.71277
N= 94
VARIANCE = 1.16218
STD DEV = 1.07804

RESPONSE	FREQUENCY
1	13
2	25
3	40
4	8
5	8

QUESTION NUMBER 76
======= ======
MEAN = 2.61702
N= 94
VARIANCE = 1.12992
STD DEV = 1.06298

RESPONSE	FREQUENCY
1	15
2	26
3	40
4	6
5	7

QUESTION NUMBER 77
======= ======
MEAN = 2.24468
N= 94
VARIANCE = 1.26992
STD DEV = 1.12691

RESPONSE	FREQUENCY
1	30
2	23
3	23
4	9
5	4

QUESTION NUMBER 78
======= ======
MEAN = 2.26596
N= 94
VARIANCE = 1.66331
STD DEV = 1.28969

RESPONSE	FREQUENCY
1	33
2	29
3	16
4	6
5	10

QUESTION NUMBER 79
======= ======
MEAN = 2.51064
N= 94
VARIANCE = 1.90946
STD DEV = 1.38183

RESPONSE	FREQUENCY
1	31
2	19
3	21
4	11
5	12

QUESTION NUMBER 80
======= ======
MEAN = 2.42553
N= 94
VARIANCE = 1.43595
STD DEV = 1.19831

RESPONSE	FREQUENCY
1	23
2	33
3	21
4	9
5	3

QUESTION NUMBER 81
======= ======
MEAN = 2.39362
N= 94
VARIANCE = 1.96209
STD DEV = 1.40075

RESPONSE	FREQUENCY
1	35
2	21
3	16
4	10
5	12

QUESTION NUMBER 32
======= ======
MEAN = 2.64894
N= 94
VARIANCE = 1.41931
STD DEV = 1.19135

RESPONSE	FREQUENCY
1	20
2	22
3	30
4	15
5	7

QUESTION NUMBER 33
======= ======
MEAN = 2.06383
N= 94
VARIANCE = 1.2933
STD DEV = 1.13745

RESPONSE	FREQUENCY
1	41
2	18
3	28
4	2
5	5

QUESTION NUMBER 34
======= ======
MEAN = 1.34043
N= 94
VARIANCE = .623792
STD DEV = .792964

RESPONSE	FREQUENCY
1	75
2	0
3	7
4	0
5	2

QUESTION NUMBER 35
======= ======
MEAN = 1.5
N= 94
VARIANCE = .845745
STD DEV = .919644

RESPONSE	FREQUENCY
1	66
2	15
3	10
4	0
5	3

QUESTION NUMBER 36
======= ======
MEAN = 1.41489
N= 94
VARIANCE = .753393
STD DEV = .867932

RESPONSE	FREQUENCY
1	70
2	15
3	6
4	0
5	3

QUESTION NUMBER 37
======= ======
MEAN = 1.54255
N= 94
VARIANCE = .716271
STD DEV = .846328

RESPONSE	FREQUENCY
1	61
2	18
3	13
4	1
5	1

QUESTION NUMBER 38
======= ======
MEAN = 1.7234
N= 94
VARIANCE = .987326
STD DEV = .993643

RESPONSE	FREQUENCY
1	54
2	19
3	16
4	3
5	2

QUESTION NUMBER 39
======= ======
MEAN = 2.34043
N= 94
VARIANCE = 1.53624
STD DEV = 1.25946

RESPONSE	FREQUENCY
1	28
2	31
3	21
4	3
5	11

APPENDIX 14

LECTURERS(CRAFT) - INDIVIDUAL RESPONSES

```
LECTURER NO. 1
2  4  2  2  2  4  4  2  2  3  4  2  3  2  2  3  4  2  2  4  4  4  4  5
1  2  4  1  4  1  2  4  2  2  2  2  2  2  2  2  2  2  2  3  2  3  2
2  1  2  3  2  3  2  2  1  1  1  1  2  2  3  2  1  4  4  3  2  2  4  4
3  3  2  3  2  2  2  2  1  2  2  2  2  2  2  1  2

LECTURER NO. 2
3  2  4  4  2  4  2  2  3  4  4  4  3  2  3  3  4  3  3  3  5  1  3  5
1  1  1  1  1  1  1  1  1  1  1  1  3  1  1  1  1  3  1  1  5  1  2  1
4  5  2  3  3  5  3  3  4  3  3  3  3  3  3  4  2  4  5  1  5  1  4  5
1  5  5  2  5  5  1  5  5  3  1  1  1  4  2  3  3

LECTURER NO. 3
4  4  3  3  2  2  4  2  3  3  4  3  3  2  2  3  3  3  3  2  2  1  2  2
2  3  3  2  3  2  3  3  3  4  4  4  3  3  4  4  4  3  4  3  5  2  1  2
2  2  3  4  5  2  2  3  2  2  2  3  3  3  2  2  1  3  3  1  1  1  4  4
1  4  2  2  3  3  1  2  3  3  2  2  2  2  2  2  3

LECTURER NO. 4
3  3  4  2  2  4  4  2  2  2  2  2  2  1  3  3  2  4  3  2  2  3  4  2
1  2  3  1  3  2  3  3  2  2  3  2  1  1  1  3  2  2  3  3  5  2  1  2
2  2  3  4  5  2  2  3  2  2  1  1  1  4  3  4  1  5  5  2  5  1  5  5
2  5  5  1  1  1  2  2  2  3  1  3  3  2  4  2  2

LECTURER NO. 5
4  2  5  4  2  4  4  2  2  3  1  3  2  1  4  3  2  4  2  2  2  4  4  2
1  5  5  1  2  2  4  2  4  3  3  2  4  3  2  4  2  3  4  4  4  4  3  2
2  2  2  2  4  2  2  3  2  2  2  2  2  3  2  3  2  3  4  2  3  2  4  5
1  5  4  2  4  4  2  3  4  3  2  2  3  2  3  2  2

LECTURER NO. 6
3  2  5  5  4  4  2  4  3  2  1  1  2  1  3  1  5  3  4  3  5  3  3  2
1  4  4  2  1  1  4  1  3  3  3  2  1  2  1  3  2  1  4  1  2  2  3  4
2  3  2  1  2  1  3  3  1  2  1  1  3  5  4  4  1  3  5  1  5  1  4  5
1  5  4  3  4  2  1  3  4  5  3  1  2  2  1  1  5

LECTURER NO. 7
5  2  4  3  3  4  2  3  3  1  2  4  2  2  4  4  2  2  3  3  4  2  3  1
1  5  5  4  3  3  3  5  3  2  3  2  4  2  2  2  4  4  2  4  4  3  4  1
2  2  3  4  4  4  2  4  3  2  3  3  2  5  5  5  3  5  5  3  5  2  5  5
2  5  5  5  2  2  5  4  4  4  3  3  2  3  3  3  4

LECTURER NO. 8
5  3  5  5  3  3  3  4  2  2  2  3  2  1  1  1  5  5  4  5  5  1  5  1
1  3  1  1  1  1  1  1  3  5  1  3  5  4  2  2  2  1  2  2  1  1  5  2
4  3  2  3  5  5  5  2  2  2  1  1  1  3  2  3  1  5  5  1  5  1  5  5
1  5  3  1  3  1  2  2  1  5  1  1  1  1  1  1  3

LECTURER NO. 9
4  4  5  3  3  3  3  3  3  2  1  2  3  1  3  3  2  2  5  2  5  5  5  1
1  2  3  1  3  2  3  3  3  4  2  3  1  3  2  4  3  2  4  4  5  5  2  1
3  5  4  3  4  3  3  3  2  4  2  2  4  5  5  5  2  3  4  2  5  1  5  5
1  5  5  3  4  3  3  4  2  5  1  1  1  2  3  1  2

LECTURER NO. 10
2  3  2  2  2  3  2  3  2  3  1  2  2  1  3  1  3  1  3  3  3  3  2  1
1  2  2  1  1  1  4  3  2  3  4  3  2  2  3  2  2  4  1  2  4  1  3  3
2  2  3  2  2  3  2  2  2  1  1  2  2  2  1  1  3  3  3  1  2  2  2  2
1  2  2  2  2  2  2  3  2  2  4  2  1  1  1  1  2
```

```
LECTURER NO. 11
3 2 5 4 2 3 4 3 2 4 3 5 1 3 2 2 4 4 4 4 4 1 1 1
1 3 5 1 1 1 5 1 2 3 2 1 3 1 1 1 3 3 1 2 3 2 2 1
1 3 3 1 2 4 3 3 2 2 1 1 1 3 2 1 1 1 5 1 5 1 4 5
1 5 3 2 4 2 3 4 3 2 3 1 2 3 3 3 2

LECTURER NO. 12
5 4 5 5 4 3 4 4 3 2 3 4 4 2 4 4 5 4 3 4 5 5 4 1
1 4 4 4 2 1 3 4 2 2 5 2 4 2 4 3 3 2 4 4 5 4 1 3
2 4 4 3 5 2 2 2 2 4 2 2 4 4 4 5 2 4 5 2 5 2 5 5
1 5 4 4 2 1 4 4 2 2 2 4 4 4 4 4 5

LECTURER NO. 13
4 2 5 3 3 2 4 3 4 1 2 3 3 3 3 1 1 4 4 3 3 4 5 3
1 2 1 1 2 1 2 1 3 4 2 3 3 3 2 3 2 1 3 3 4 2 2 3
2 2 2 4 4 2 1 3 2 3 2 2 1 3 3 3 1 4 5 2 5 1 3 4
1 4 3 2 2 1 2 2 2 3 1 2 2 2 3 2 3

LECTURER NO. 14
3 4 5 5 4 4 3 3 3 4 2 2 3 2 3 2 4 4 3 3 5 5 5 1
1 5 2 2 1 1 2 3 3 5 5 4 5 4 4 3 4 4 3 4 4 1 1 4
4 4 3 4 4 4 2 3 3 2 1 2 3 5 4 3 2 3 5 3 5 2 5 5
2 5 5 5 3 1 5 3 1 5 1 2 1 3 1 3 4

LECTURER NO. 15
3 2 4 3 2 2 4 2 3 2 2 4 3 2 4 4 2 3 3 2 3 3 3 3
1 3 4 2 2 2 5 4 2 2 2 3 4 2 2 2 3 3 3 3 4 2 2 2
2 2 2 2 2 3 3 3 3 2 2 2 3 3 3 3 1 4 5 3 2 1 3 4
2 3 3 3 2 2 3 3 3 3 2 2 2 2 2 2 2

LECTURER NO. 16
3 4 4 3 2 2 4 2 3 3 2 2 3 2 3 1 3 2 5 2 3 1 1 1
1 3 3 2 2 1 3 3 2 3 3 2 2 2 2 2 2 2 3 1 1 1
2 2 2 2 3 2 2 2 1 2 1 1 2 2 2 2 1 5 5 1 2 1 3 3
1 3 2 1 2 3 1 2 3 3 1 1 1 1 1 1 2

LECTURER NO. 17
2 3 4 3 2 4 4 4 2 3 2 2 2 2 2 3 2 2 3 3 2 2 2 2
2 3 4 1 2 2 4 4 2 2 3 2 2 2 2 2 2 2 2 3 4 2 2 2
2 2 2 2 2 2 2 3 4 2 2 2 2 4 4 2 1 1 2 1 1 1 2 2
1 2 3 2 2 2 2 2 2 1 1 2 1 1 1 1 3

LECTURER NO. 18
5 3 4 4 3 4 4 4 4 2 1 4 3 2 4 2 5 4 3 2 4 2 3 1
2 4 3 2 2 1 3 3 4 2 4 4 4 2 3 3 4 3 3 4 4 2 2 3
3 3 3 2 4 4 2 4 2 2 3 3 2 4 2 4 1 4 4 3 5 1 3 4
2 4 3 2 3 2 2 3 2 4 1 1 2 1 3 2 2

LECTURER NO. 19
5 2 5 2 1 3 5 2 2 2 3 1 3 1 4 1 5 3 4 4 3 3 5 3
1 3 5 1 1 1 5 1 3 3 3 5 3 3 2 2 2 1 3 5 5 4 2 3
2 2 3 3 4 5 3 4 1 4 3 4 3 5 5 4 1 4 5 4 4 1 4 5
3 5 5 1 2 4 1 2 2 3 1 1 1 1 1 1 2

LECTURER NO. 20
1 3 5 2 1 5 2 1 1 1 1 2 1 1 3 1 3 2 3 1 4 1 1 1
1 3 5 1 1 1 1 1 1 1 1 2 4 2 1 1 1 1 1 1 5 4 2 2 1
1 3 3 1 2 1 1 3 4 2 1 1 2 4 4 2 1 3 1 1 3 1 2 3
1 2 4 1 1 1 1 1 1 1 1 1 4 1 1 1 1 1
```

LECTURER NO. 21
```
4 4 3 4 3 3 4 2 3 4 4 3 4 4 2 2 3 3 4 3 4 3 4 3
2 2 3 3 3 3 3 3 3 3 4 3 4 3 3 3 2 2 3 3 4 4 2 3
3 3 2 3 3 3 3 3 3 3 3 2 2 3 4 4 2 4 4 3 5 2 4 5
2 5 5 4 4 4 2 3 5 3 2 1 1 2 2 1 2
```

LECTURER NO. 22
```
3 3 2 4 2 3 1 3 2 5 3 3 3 1 2 1 1 2 5 3 3 1 1 1
1 3 3 3 3 1 3 4 2 3 3 3 3 1 1 3 3 3 3 3 5 1 5 1
4 3 3 3 3 2 1 3 2 3 3 3 3 3 3 3 1 3 5 1 3 2 5 5
2 5 3 3 3 3 3 3 2 4 1 1 1 3 3 2 5
```

LECTURER NO. 23
```
2 4 3 1 2 3 4 2 2 5 2 1 4 2 2 1 1 3 5 1 2 5 3 4
1 3 2 1 1 1 4 4 2 3 4 2 2 1 2 2 2 2 2 1 2 2 2 4
1 2 2 3 5 2 2 2 1 1 1 3 3 2 2 2 1 1 3 2 3 1 2 5
2 5 4 1 2 3 1 2 3 4 4 2 1 1 2 1 2
```

LECTURER NO. 24
```
2 2 4 3 1 2 3 2 3 1 1 2 2 1 3 2 3 3 2 2 2 3 3 4
1 5 4 2 2 1 4 4 3 3 3 3 4 3 2 4 3 3 4 4 4 2 1 2
2 2 2 2 4 3 1 2 2 2 2 1 2 2 2 2 1 5 5 1 4 1 5 5
1 4 3 3 4 5 2 4 5 2 2 2 2 2 4 4 4
```

LECTURER NO. 25
```
5 3 5 5 3 3 3 2 4 5 2 3 1 1 2 3 1 1 1 1 3 1 2 1
1 2 1 1 1 1 3 1 2 3 2 2 2 2 2 3 2 2 2 4 5 2 2 3
2 3 3 3 5 4 3 3 1 3 1 4 3 3 3 3 1 5 5 2 3 1 5 5
3 4 3 5 2 1 5 2 4 4 2 2 2 2 2 2 3
```

LECTURER NO. 26
```
5 3 1 3 1 1 5 2 1 5 3 1 5 3 1 2 2 3 5 5 3 1 3 1
1 4 2 1 1 1 4 2 4 3 2 5 3 5 4 3 4 4 4 2 5 1 3 5
4 3 4 3 5 5 4 4 1 2 2 3 3 3 3 2 1 2 3 1 2 1 4 3
1 3 3 1 3 4 3 2 3 3 1 1 1 2 3 4 1
```

LECTURER NO. 27
```
5 1 5 4 2 3 4 3 3 1 1 3 3 2 3 1 2 3 4 3 3 3 4 1
1 3 3 1 1 1 4 3 3 3 3 2 3 2 2 2 3 3 5 3 4 2 3 1
2 2 3 3 2 3 1 2 2 1 1 1 3 3 3 4 3 5 5 3 5 2 5 5
1 5 5 4 3 3 4 4 3 5 1 2 3 2 3 3 4
```

LECTURER NO. 28
```
5 5 5 5 1 1 5 4 1 1 1 1 1 1 1 5 3 4 1 1 5 1 5 4
1 5 5 2 1 1 5 3 4 3 2 4 5 1 2 3 5 5 5 1 5 2 1 4
4 5 5 4 5 5 2 4 5 3 3 4 3 3 3 3 1 3 4 1 5 1 4 3
1 5 4 4 2 4 3 3 2 3 2 2 2 3 1 1 2
```

LECTURER NO. 29
```
4 4 4 3 2 2 3 1 2 5 2 1 1 3 2 2 4 1 5 5 5 1 3 1
1 5 5 1 1 1 5 5 3 3 5 5 5 1 1 3 3 3 4 5 3 1 2 4
3 1 4 3 5 3 3 3 2 1 1 1 5 4 1 1 1 4 4 1 5 1 5 5
1 5 5 2 1 1 5 1 4 5 1 1 1 2 1 4 3
```

LECTURER NO. 30
```
4 4 3 5 1 3 5 2 2 4 3 2 3 1 2 4 2 4 4 5 5 2 2 3
1 4 5 1 1 1 5 4 4 4 3 4 4 3 3 4 3 3 5 2 5 2 2 2
3 4 5 5 5 5 3 4 3 2 2 1 2 3 3 3 2 3 4 3 5 1 5 5
3 4 2 3 2 2 4 2 2 4 2 2 2 2 2 5 3
```

```
LECTURER NO. 31
4 1 4 3 2 4 3 3 1 5 2 1 2 2 3 1 3 2 3 5 4 5 5 1
1 5 4 1 1 1 4 3 4 4 3 5 3 4 3 5 4 5 4 2 5 2 2 2
4 4 4 2 3 5 3 4 4 3 2 1 2 2 2 2 2 1 5 5 3 1 4 5
4 5 2 3 3 2 2 1 1 2 1 2 1 1 1 2 1

LECTURER NO. 32
4 4 5 5 5 1 2 3 3 5 1 3 3 1 3 1 1 2 2 3 5 1 5 2
1 3 2 2 2 3 4 4 3 5 1 3 3 4 3 5 3 3 4 3 4 3 2 1
1 3 3 3 3 2 5 4 4 2 2 4 3 2 2 2 1 5 5 2 5 3 5 5
2 5 3 3 3 2 2 1 3 2 2 4 3 3 1 1 3

LECTURER NO. 33
3 2 4 3 4 3 2 2 4 3 3 3 3 2 3 4 3 3 2 3 4 4 3 2
1 1 1 2 2 4 1 3 3 2 2 2 2 4 3 2 2 4 2 3 5 3 3 2
2 3 4 2 1 2 2 1 5 3 2 3 3 2 3 3 3 5 5 1 3 3 5 5
2 3 1 2 3 4 4 1 3 2 2 4 3 3 3 2 1

LECTURER NO. 34
5 3 4 4 4 3 4 5 3 1 2 2 3 4 3 1 3 2 3 1 4 2 3 1
1 4 4 2 3 2 2 2 3 3 2 4 4 2 2 3 4 4 2 2 5 3 2 4
4 2 4 4 4 4 2 4 3 2 2 3 2 2 2 1 2 5 5 1 5 1 5 5
1 5 1 3 2 2 3 3 2 4 2 2 2 2 2 2 4

LECTURER NO. 35
3 1 4 4 3 2 1 4 2 1 1 1 3 1 3 3 1 3 3 4 4 1 1 1
1 2 2 1 1 1 3 2 4 3 3 4 5 3 3 3 4 3 1 2 4 4 2 1
3 3 3 2 5 5 3 5 1 3 3 1 1 3 1 4 4 5 3 1 3 2 4 4
2 3 2 4 4 3 1 1 1 2 4 1 2 2 1 3 4

LECTURER NO. 36
3 4 4 4 2 2 4 2 3 4 2 2 3 3 3 3 3 2 3 3 3 3 2 2
3 4 4 2 2 1 3 3 3 2 4 4 3 2 3 2 3 2 3 2 3 3 4 4
3 3 2 4 4 5 2 3 3 2 2 3 3 3 2 2 2 3 4 4 3 2 3 4
3 3 2 3 3 3 3 3 3 3 2 2 2 2 2 2 2

LECTURER NO. 37
2 5 3 3 4 4 4 3 2 5 1 3 1 1 4 4 5 3 5 3 3 1 3 1
1 1 2 3 2 2 3 4 2 4 4 3 1 2 3 2 4 4 4 3 5 1 1 4
3 3 3 2 4 4 3 4 2 1 2 1 2 2 4 2 2 4 5 1 4 2 5 5
2 2 5 5 5 2 4 2 2 4 3 2 2 2 2 2 5

LECTURER NO. 38
4 2 5 3 3 5 1 4 4 1 1 1 1 1 4 2 2 3 3 5 4 1 1 5
1 3 4 1 1 1 5 2 4 4 3 4 4 2 3 4 3 3 4 4 5 2 1 2
3 2 4 3 2 5 2 4 3 2 3 3 2 2 2 2 1 5 5 1 2 2 5 5
1 5 2 2 1 1 2 1 1 5 1 1 1 1 3 4 1

LECTURER NO. 39
3 3 5 5 3 3 3 4 4 1 1 5 2 1 5 3 3 3 3 3 3 1 3 2
1 3 3 3 3 3 3 3 3 3 2 3 3 2 3 3 4 3 5 3 3 3 1 5
3 5 3 3 3 3 3 3 3 2 3 3 3 3 3 3 3 4 5 3 5 2 4 5
3 5 3 3 3 3 3 3 3 3 4 3 3 3 3 3 5

LECTURER NO. 40
4 3 5 2 2 4 3 4 4 3 2 1 3 2 2 2 3 4 5 3 2 2 2 4
2 3 2 4 3 3 2 3 3 2 3 3 2 3 2 2 3 3 3 3 2 2 4 2
4 3 3 3 3 3 4 3 3 3 3 2 3 3 3 4 2 5 5 1 3 2 3 5
1 3 3 4 2 1 3 4 2 2 2 1 3 1 3 1 2
```

```
LECTURER NO. 41
 1  4  3  2  2  2  4  4  3  2  4  3  3  2  2  2  4  3  4  2  4  1  2  2
 2  3  3  2  2  1  2  4  2  2  4  3  3  2  2  2  2  3  2  2  2  4  2
 2  2  2  2  3  2  3  2  2  3  3  3  3  3  3  2  1  3  4  1  2  1  4  4
 1  4  3  2  2  3  2  2  3  2  1  1  1  1  1  1  1  1

LECTURER NO. 42
 3  3  3  3  2  3  4  2  3  5  3  3  3  2  2  3  4  3  3  2  3  2  2  3
 3  3  3  2  3  2  3  3  3  3  3  3  2  3  3  3  3  3  3  3  2  2  2  2
 3  2  2  3  4  3  4  2  2  3  2  3  3  4  3  2  2  3  3  2  3  1  5  5
 1  5  3  2  2  2  2  2  2  2  1  1  1  1  1  1  1

LECTURER NO. 43
 3  3  2  3  2  3  3  3  3  3  2  3  2  2  2  3  4  2  3  2  1  1  2  1
 1  1  3  1  1  1  3  2  2  2  3  2  1  2  1  3  2  2  2  3  2  2  2  2
 2  2  2  2  3  2  1  3  1  1  1  3  2  3  3  2  1  1  3  1  3  2  2  3
 1  3  3  2  3  3  1  2  2  4  2  1  1  2  2  1  2

LECTURER NO. 44
 4  5  4  3  3  2  1  3  3  3  2  2  2  1  2  2  4  3  3  4  5  1  2  2
 2  3  4  2  1  1  3  4  3  2  2  2  4  2  3  4  3  3  4  3  4  2  2  3
 3  2  3  2  4  3  2  4  4  2  1  1  1  3  2  1  1  3  5  1  3  1  5  5
 1  3  2  2  2  1  3  3  3  4  3  4  2  4  2  4  4

LECTURER NO. 45
 4  2  5  2  4  2  4  4  5  4  2  2  3  2  3  2  2  4  4  4  4  2  4  2
 1  3  2  2  2  1  2  2  2  2  1  3  2  2  2  2  2  2  3  3  4  2  3  3
 2  3  3  3  3  2  2  3  2  3  2  3  2  4  2  2  2  4  4  2  4  2  5  5
 2  5  4  2  3  2  2  3  4  3  2  1  2  2  1  1  2

LECTURER NO. 46
 4  4  4  3  3  3  3  2  3  4  3  3  3  1  4  5  4  3  4  3  4  1  1  2
 2  3  3  1  3  2  3  3  3  3  3  3  3  2  2  2  3  2  2  3  3  5  2  2  3
 3  3  2  3  4  3  3  2  2  3  2  3  3  3  3  2  4  4  2  3  2  4  4
 2  4  3  2  2  2  2  2  2  2  2  1  1  1  1  1  1

LECTURER NO. 47
 2  4  3  2  1  2  5  2  2  3  3  2  3  2  2  1  3  2  3  1  3  2  2  2
 2  3  3  2  2  1  3  3  2  2  4  3  2  2  2  2  2  2  2  3  4  1  3  3
 2  2  2  2  2  2  4  2  1  2  2  2  2  2  2  2  1  4  4  1  3  1  5  5
 1  5  3  3  2  2  2  2  3  2  1  1  1  1  1  1  1

LECTURER NO. 48
 4  1  3  1  3  5  1  5  4  5  1  3  3  1  5  5  1  3  1  2  3  1  4  1
 1  1  1  1  1  1  5  5  1  3  3  3  1  1  1  1  3  3  1  1  1  1  1  5
 1  3  3  1  5  1  1  1  1  5  1  1  1  5  5  5  1  5  5  1  5  1  5  5
 1  5  5  2  2  5  1  1  5  1  5  1  1  3  1  1  5

LECTURER NO. 49
 3  3  3  4  2  3  4  4  2  3  2  3  3  2  3  5  5  3  4  4  3  4  4  3
 2  3  5  3  3  3  4  1  3  3  2  3  4  3  2  3  3  3  4  3  2  3  4  2
 3  4  3  3  2  4  3  3  3  3  3  4  4  4  4  4  2  4  4  2  5  3  5  4
 2  5  3  3  3  3  4  3  5  3  3  3  3  3  3  3  3

LECTURER NO. 50
 2  4  4  4  2  2  4  3  2  4  1  2  3  1  2  4  4  5  4  2  4  4  5  2
 1  2  3  2  3  1  1  1  1  3  2  4  2  2  2  2  2  3  4  3  3  5  1  2  5
 2  2  2  2  2  1  2  1  1  2  1  3  1  4  2  2  1  3  5  1  5  1  3  5
 1  5  5  2  1  1  2  2  2  1  2  1  1  1  1  2  1  1
```

```
LECTURER NØ. 51
  2  4  5  3  3  4  3  2  4  2  2  2  3  1  3  2  5  3  5  4  3  3  3  2
  2  2  4  1  3  1  2  3  2  4  3  3  2  1  1  1  1  2  3  3  4  2  2  2
  2  3  2  2  3  1  1  1  1  2  1  3  2  3  3  2  2  3  4  1  4  1  3  4
  1  4  4  4  3  1  2  3  4  5  2  2  3  2  2  2  4

LECTURER NØ. 52
  4  4  4  3  3  3  3  3  3  1  1  3  4  2  3  3  5  4  3  3  4  2  4  3
  1  4  4  2  3  1  4  4  4  4  2  4  5  4  3  3  3  4  4  3  5  2  1  3
  4  4  3  3  5  4  3  4  3  3  2  2  2  4  4  3  2  4  5  2  3  1  5  5
  1  5  5  3  1  4  2  2  4  5  1  1  1  1  1  3  2

LECTURER NØ. 53
  4  1  5  5  3  3  5  3  5  1  1  1  1  1  3  3  5  1  3  5  3  1  1  1
  1  3  3  1  1  1  4  1  3  5  1  3  3  1  3  3  1  2  4  5  5  3  1  3
  4  2  2  3  1  4  5  3  4  2  3  5  3  5  3  3  1  5  5  2  5  1  5  5
  2  5  3  1  1  1  3  3  3  5  3  3  1  1  1  3  3

LECTURER NØ. 54
  2  3  3  1  2  2  4  3  2  3  1  4  3  1  2  4  3  4  4  1  2  1  2  1
  1  2  4  2  1  1  3  2  4  4  5  3  2  5  2  3  3  2  3  2  5  3  1  3
  3  3  2  3  5  2  2  2  2  1  3  3  3  2  2  2  1  4  3  1  4  1  3  3
  3  5  3  1  3  2  2  3  1  2  2  1  1  2  3  1  2

LECTURER NØ. 55
  5  3  5  4  2  3  3  3  5  1  1  3  3  1  3  2  3  4  3  5  4  5  3  4
  2  3  4  1  1  1  5  3  2  3  4  2  4  5  3  4  3  3  5  4  4  3  4  3
  3  4  4  5  4  4  3  4  4  3  3  2  3  3  4  4  1  2  3  4  5  1  3  4
  2  5  2  3  3  3  4  3  2  3  3  2  2  4  5  5  3

LECTURER NØ. 56
  2  4  4  4  4  4  4  2  2  2  2  4  4  2  2  4  4  2  2  4  4  4  5  2
  1  2  4  2  2  2  4  4  2  2  4  2  4  2  2  2  2  4  2  2  4  2  4  2
  2  2  2  2  4  2  3  2  2  2  2  2  2  4  4  2  2  4  4  2  4  2  2  5
  2  4  2  2  2  1  2  2  2  4  2  1  1  2  2  2  1

LECTURER NØ. 57
  2  4  2  3  1  2  4  3  3  5  4  2  4  2  2  4  3  3  5  2  5  1  5  1
  1  2  3  3  3  2  1  1  3  4  5  1  5  3  3  1  1  2  4  4  5  1  4  3
  3  3  2  4  5  2  3  4  2  4  1  5  2  5  3  1  1  4  5  2  5  1  4  5
  1  5  5  3  2  1  3  2  2  2  5  2  1  2  1  1  3

LECTURER NØ. 58
  1  1  5  5  3  1  1  4  4  1  1  5  3  1  5  5  5  5  4  1  1  1  1  1
  1  1  3  1  4  1  3  1  1  5  1  1  1  1  5  1  1  5  5  3  5  5  5  5
  3  5  3  3  1  3  5  4  1  2  1  5  1  5  1  5  2  5  5  2  5  2  5  5
  3  5  4  5  3  1  1  1  1  1  1  1  1  1  1  1  4

LECTURER NØ. 59
  3  3  2  4  2  3  2  2  5  4  2  2  2  1  3  4  1  2  3  2  3  2  4  2
  1  2  5  2  2  2  4  2  3  2  4  4  4  2  2  2  4  4  4  3  4  2  2  3
  2  5  2  4  5  2  3  4  3  3  2  1  4  3  2  3  3  2  5  1  2  4  3  5
  1  5  5  4  2  1  2  3  1  3  3  3  1  1  5  2  1

LECTURER NØ. 60
  5  3  5  5  3  3  3  3  3  4  3  3  3  3  3  3  3  3  3  4  5  5  2  3  4
  2  4  3  1  3  3  3  4  2  4  3  3  4  1  3  3  3  3  3  3  3  3  5  3
  3  4  2  5  3  2  4  5  3  4  2  1  5  3  4  3  2  4  5  3  5  1  3  5
  3  4  5  2  3  2  2  4  4  5  1  4  4  3  4  3  2
```

```
LECTURER NØ. 61
  4  5  4  3  3  3  4  4  4  3  2  3  3  1  2  3  3  3  5  2  5  3  3  3
  1  5  4  2  3  1  3  3  3  3  3  2  4  4  4  3  3  3  3  3  5  2  1  3
  3  3  3  2  4  3  3  3  3  4  2  2  3  3  4  4  1  4  5  1  3  3  4  4
  4  4  5  3  2  2  3  3  3  3  3  1  1  2  3  1  2

LECTUPER NØ. 62
  4  3  4  3  3  3  3  3  4  2  2  3  3  3  3  3  4  4  3  2  3  2  3  2
  2  3  3  2  2  2  3  3  3  3  3  3  2  2  2  2  2  2  3  2  3  2  2  3
  3  4  3  4  4  3  3  2  3  3  3  2  3  4  4  4  2  4  4  2  4  2  3  4
  2  4  4  3  3  2  2  3  3  3  3  1  1  2  2  2  2

LECTURER NØ. 63
  3  2  5  4  3  3  3  3  3  3  1  1  3  3  1  4  1  3  3  2  4  3  3  3
  3  1  3  3  3  3  1  4  2  4  3  3  3  4  2  3  2  3  4  5  3  5  5  5
  3  4  4  4  3  5  2  3  4  3  3  2  3  5  5  5  2  4  5  5  5  2  5  5
  4  5  5  4  3  3  4  3  3  3  3  3  3  3  3  3  3  4

LECTUPER NØ. 64
  5  2  5  2  3  2  3  3  3  2  3  3  3  2  4  3  2  4  3  2  5  3  3  3
  2  3  3  3  3  4  1  3  3  3  2  3  4  2  2  2  2  3  3  2  4  2  1  4
  2  2  3  2  3  2  2  3  2  2  2  3  2  3  3  3  1  4  5  4  5  1  1  3
  3  4  5  2  2  3  3  3  3  3  2  2  3  2  3  2  4

LECTUPER NØ. 65
  4  2  5  5  4  5  1  3  4  4  1  3  5  1  3  3  5  4  2  3  5  1  3  5
  1  5  5  1  3  1  5  1  5  3  1  3  5  5  1  4  1  3  2  5  2  5  1  3
  5  5  5  3  5  5  3  5  4  4  3  5  3  3  3  3  1  5  5  2  5  1  5  5
  1  5  1  1  3  3  3  3  1  1  2  2  3  2  3  4  1

LECTUPER NØ. 66
  4  5  3  2  1  4  4  2  2  1  1  4  2  1  2  2  1  4  2  4  4  1  5  3
  2  5  1  1  4  3  4  4  4  4  3  4  5  4  3  4  4  2  2  2  4  1  5  5
  3  5  5  4  4  3  3  4  5  5  4  5  5  5  5  5  2  4  4  2  5  5  4  5
  2  5  5  5  5  1  5  5  4  2  5  2  2  4  2  2  4

LECTUPER NØ. 67
  3  4  3  2  2  3  3  3  2  3  2  2  2  2  2  4  2  3  4  3  3  2  2  2
  2  3  3  2  3  2  4  4  3  3  3  3  3  2  2  2  5  3  5  2  4  3  4  4
  4  3  3  3  3  3  3  3  4  3  3  2  3  3  3  4  1  2  3  2  5  2  2  3
  2  4  3  4  2  1  3  3  1  3  3  2  2  2  3  2  4

LECTUPER NØ. 68
  5  1  5  5  5  5  5  5  5  1  1  5  1  5  5  5  5  3  1  3  5  5  4  4
  1  3  2  3  1  1  4  1  4  5  4  2  2  2  3  2  3  3  4  3  4  3  4  4
  3  3  3  3  1  3  3  3  3  2  2  1  4  4  3  3  2  4  4  3  4  1  5  5
  2  5  1  3  1  1  3  1  1  1  5  1  1  3  2  1  5

LECTURER NØ. 69
  5  3  4  3  4  4  4  3  4  2  1  1  3  2  2  4  4  4  3  3  2  1  3  1
  1  4  4  2  3  2  5  5  2  3  4  2  2  2  3  3  2  2  2  3  5  1  2  3
  2  1  2  2  4  2  2  3  2  3  1  1  2  4  4  4  1  3  5  4  5  1  2  4
  4  5  1  2  2  2  3  3  3  5  2  1  1  1  1  1  2

LECTUPER NØ. 70
  5  1  5  5  1  3  4  2  4  3  2  4  3  1  4  3  4  4  3  3  4  2  4  3
  1  4  2  1  1  1  1  1  1  3  3  3  1  3  1  3  1  2  3  1  5  3  5  5
  4  2  3  3  3  3  2  4  2  2  1  3  3  4  4  2  1  4  5  5  5  1  4  4
  1  2  5  2  1  1  1  1  2  4  2  1  1  1  1  1  5
```

LECTURER NØ. 71
```
2   4   4   2   2   5   1   2   4   3   2   4   1   2   1   4   3   4   1   4   1   1   1   1
1   3   1   1   1   3   3   2   2   3   2   2   2   2   2   2   2   2   2   2   1   3   3   2
2   1   2   3   2   2   2   2   2   3   2   3   2   4   4   4   2   4   4   1   4   1   5   5
1   5   3   2   2   2   2   2   2   3   3   2   1   1   1   1   1
```

LECTURER NØ. 72
```
4   4   4   4   3   4   4   4   4   4   2   3   2   2   4   2   2   4   2   2   4   1   2   3
2   3   3   3   2   2   4   4   2   3   3   3   3   3   3   2   3   4   2   2   4   4   2   3
2   2   3   2   4   2   3   2   3   2   2   2   3   2   3   3   2   3   3   3   2   2   4   4
1   2   3   3   2   1   3   2   1   2   2   1   2   1   3   2   4
```

LECTURER NØ. 73
```
5   1   5   5   1   1   5   1   1   1   1   1   1   1   1   5   3   4   1   1   5   1   5   4
1   5   5   1   1   1   4   3   1   3   2   4   5   1   2   3   4   5   5   1   5   1   1   5
4   4   4   4   1   5   2   4   5   3   1   3   3   3   3   3   1   4 - 5   1   5   1   5   5
1   4   1   4   2   3   5   3   2   3   2   2   3   2   2   1   5
```

LECTURER NØ. 74
```
4   3   4   3   2   2   4   2   3   4   3   3   3   2   2   3   3   3   3   2   3   5   2   1
2   2   3   2   1   1   3   4   1   3   3   2   1   1   2   2   2   2   3   2   4   2   3   3
2   2   2   2   3   2   2   2   2   3   1   2   2   3   3   2   1   3   3   1   2   1   3   3
1   3   3   3   1   1   1   1   1   2   1   1   1   1   1   1   1
```

RESPONSES + CRAFT UNDER 18 YEARS OF AGE

STUDENT NO. 1
```
3  5  1  2   1  1  5  3  1  5  4  2  5  1  5  5  1  1  5  1  5  3  1  1
1  1  5  1   1  1  5  5  1  4  4  2  1  1  1  1  1  4  3  1  1  1  2  2
2  1  1  1   3  1  1  3  1  1  1  1  1  1  1  1  1  1  3  1  2  1  1  3
1  1  1  1   3  5  1  3  5  2  1  1  1  1  1  1  1
```

STUDENT NO. 2
```
5  5  5  3   1  1  5  3  3  5  3  1  5  5  2  1  1  1  5  5  5  5  5  5
5  1  3  1   2  1  5  5  1  3  3  3  5  1  1  1  1  1  5  5  1  3  5  1
1  1  1  1   5  5  5  1  1  5  1  1  1  1  1  3  1  1  5  1  1  1  1  3
1  3  3  3   3  3  1  3  1  5  1  1  1  1  1  1  3
```

STUDENT NO. 3
```
4  5  2  3   1  1  5  2  2  5  3  3  5  5  1  1  3  3  3  5  4  3  3  3
3  2  4  2   3  3  5  3  3  3  4  2  3  2  3  3  3  1  3  3  5  3  1  1
3  1  2  4   5  3  3  3  1  1  2  3  2  1  1  2  2  4  5  1  2  1  1  3
1  1  3  3   2  1  4  2  2  4  3  1  1  1  1  1  1  1
```

STUDENT NO. 4
```
3  4  2  2   1  1  5  1  1  5  1  1  5  5  1  1  1  1  5  1  1  1  3  1
3  1  2  1   1  1  1  3  1  1  3  1  1  1  1  1  1  1  1  1  1  1  1  1
1  1  1  1   5  1  1  3  1  1  1  1  1  1  1  1  3  3  3  1  3  3  1  1
1  2  1  3   2  3  2  1  1  1  1  1  1  1  1  1  1
```

STUDENT NO. 5
```
3  5  2  3   1  2  4  3  2  4  4  3  4  2  2  1  3  2  5  2  2  1  2  1
1  1  1  1   1  2  4  2  1  3  4  1  2  1  1  2  2  3  2  2  3  1  3  2
2  2  2  2   2  3  3  2  1  2  2  2  2  2  1  2  3  2  3  2  3  1  2  3
2  2  3  3   2  3  2  4  5  3  1  1  3  2  2  3  3
```

STUDENT NO. 6
```
5  5  4  3   1  1  5  2  2  2  3  2  5  3  2  3  2  2  5  3  5  2  3  3
3  3  3  2   2  1  5  3  3  3  3  3  3  3  3  4  4  3  4  5  3  4  5  4
3  3  3  2   4  3  3  3  2  4  2  4  3  3  2  3  4  3  3  2  2  2  4  2
3  3  3  3   2  3  4  2  3  3  3  2  2  2  2  3  3
```

STUDENT NO. 7
```
1  1  3  1   3  1  1  3  3  1  3  5  3  1  1  3  3  3  5  5  5  3  1  3
1  1  1  1   3  1  3  1  1  1  5  3  5  5  5  1  1  3  1  3  3  1  1  5
3  3  3  4   3  3  5  3  1  3  1  3  1  3  5  1  1  5  5  3  3  5  1  1
5  3  3  3   3  3  3  3  3  3  1  1  3  3  1  1  1
```

STUDENT NO. 8
```
5  3  5  3   3  4  1  5  5  5  1  1  5  4  5  3  2  5  4  1  1  1  3  3
1  1  5  1   2  1  4  4  3  3  3  3  4  3  3  3  3  3  4  2  5  3  2  5
3  3  4  3   5  3  2  3  3  2  3  2  2  3  2  2  5  5  5  1  5  5  5  5
1  5  3  3   3  3  3  3  3  3  3  5  5  5  1  1  3
```

STUDENT NO. 9
```
5  5  1  5   1  1  5  1  1  5  5  1  5  2  1  1  1  1  5  1  2  2  2  1
1  1  2  1   1  1  5  4  1  1  2  1  1  1  1  1  2  1  4  3  2  2  4  1
1  1  1  1   3  2  1  1  1  1  1  1  1  1  1  2  1  2  4  1  2  1  1  1
1  1  1  1   2  4  1  2  4  2  1  1  1  1  1  1  1
```

STUDENT NO. 10
```
2  5  1  2   1  1  5  1  1  5  3  3  2  1  1  1  1  1  5  1  1  1  1  1
1  1  1  1   1  1  5  5  1  1  3  3  3  1  1  1  1  1  1  1  1  1  5  1
1  1  1  1   5  1  1  1  1  1  1  1  1  1  3  2  2  5  3  2  2  1  4  3
1  2  2  2   3  5  1  2  4  3  1  1  1  1  1  1  1
```

```
STUDENT NO. 11
3 5 3 4 1 1 5 2 1 3 4 3 5 5 1 2 3 2 5 5 4 3 3 2
1 1 4 1 2 4 5 5 2 2 5 1 3 1 3 2 2 2 5 4 1 1 5 1
2 3 4 5 5 2 2 3 2 1 2 5 5 5 1 3 2 1 2 1 3 2 3 3
1 2 3 1 5 3 2 5 3 1 1 1 1 1 1 1 2

STUDENT NO. 12
4 5 1 2 1 1 5 1 1 5 3 1 5 1 1 1 3 1 5 1 2 5 3 3
5 1 2 1 1 1 3 4 1 2 4 1 2 1 2 2 3 2 1 3 1 1 5 1
1 1 1 2 3 4 2 2 1 2 1 3 1 3 1 1 1 2 4 1 1 1 2 3
1 2 3 3 3 3 2 3 1 1 2 1 1 1 1 1 3

STUDENT NO. 13
2 4 3 5 2 5 3 3 3 5 2 4 2 1 3 2 5 5 4 5 2 1 2 2
2 4 3 1 2 1 4 2 3 2 4 2 4 3 3 2 3 3 4 3 4 3 1 2
2 4 2 4 3 5 3 3 2 2 2 3 2 2 2 3 2 3 3 3 3 1 3 2
3 3 2 2 1 1 3 2 1 3 3 3 3 3 3 3 3

STUDENT NO. 14
3 5 3 4 1 1 3 3 2 4 3 2 3 1 2 1 2 3 5 3 2 1 2 1
1 3 4 1 1 1 4 3 3 3 4 4 4 2 2 3 3 3 4 3 2 3 2 2
2 2 2 4 4 5 3 4 2 3 2 2 2 3 2 2 2 3 4 3 3 1 3 2
3 3 2 3 1 1 2 1 1 3 3 3 3 3 3 3 3

STUDENT NO. 15
3 5 1 3 1 2 5 2 1 5 4 1 4 1 1 1 3 1 5 3 2 2 3 1
1 1 3 1 1 1 2 2 2 3 1 2 2 1 2 3 1 2 5 2 5 1 5 5
2 1 3 3 5 5 1 3 1 1 1 3 1 2 2 1 1 1 4 1 2 1 1 4
1 2 1 3 1 1 1 5 5 3 2 1 1 1 1 1 1

STUDENT NO. 16
5 5 3 1 1 3 5 2 3 5 3 1 4 1 2 1 1 1 5 1 1 1 1 1
1 1 5 1 1 1 5 5 1 4 3 1 1 1 1 1 1 3 3 5 1 1 5 2
1 1 1 1 5 3 1 3 1 3 5 1 1 1 1 3 5 5 1 1 3 5 5 1
1 5 1 1 1 1 1 3 1 1 1 1 1 1 1 1 1

STUDENT NO. 17
3 5 2 5 1 1 5 3 4 5 4 1 4 1 3 1 1 1 1 1 5 1 3 1
1 1 3 1 3 1 5 5 5 5 1 5 5 1 1 1 5 3 3 3 3 3 3 3
3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
3 3 3 3 3 3 5 1 5 1 1 1 1 1 1 1 5

STUDENT NO. 18
3 5 2 3 1 1 5 1 1 3 3 2 5 3 1 1 2 2 5 2 5 5 3 3
3 2 5 1 3 1 5 3 1 3 3 3 4 1 2 1 5 3 2 5 3 3 2 3
1 3 2 4 3 3 1 2 3 1 3 2 2 3 1 1 5 4 3 1 3 4 4 4
1 3 3 2 2 2 3 2 1 1 2 2 1 2 1 1 2

STUDENT NO. 19
2 3 4 3 2 2 5 3 3 5 5 2 4 3 2 1 5 3 5 1 2 1 3 1
1 1 2 2 3 1 3 4 3 3 3 3 2 2 2 1 2 2 4 4 5 3 3 1
1 3 1 2 1 2 3 3 1 1 1 3 4 3 2 3 3 5 3 1 2 3 4 2
1 2 3 3 2 2 4 1 2 1 1 1 3 2 2 2 3

STUDENT NO. 20
4 5 2 3 2 2 4 2 2 4 4 2 4 5 3 3 1 1 5 3 3 2 3 3
2 2 2 2 3 3 4 2 2 3 4 2 2 2 2 3 3 3 3 3 2 3 4 2
2 2 3 3 4 3 2 3 2 3 3 2 2 3 3 3 2 3 4 1 4 2 4 4
2 3 3 2 2 3 2 3 3 1 2 1 2 1 2 2 3
```

```
STUDENT NO. 21
3  5  2  1  1  2  5  5  2  5  2  1  5  1  2  2  1  1  5  1  1  1  1  1
1  2  1  1  1  1  2  1  2  4  2  2  1  1  1  1  2  1  2  5  1  1  1  1
2  2  1  5  1  1  2  5  1  1  1  2  1  3  2  3  1  3  4  1  1  1  5  5
1  5  2  1  2  1  3  2  1  1  1  1  1  1  1  1  5

STUDENT NO. 22
4  4  1  3  1  1  5  4  1  5  4  1  3  3  2  2  2  2  5  2  2  2  3  3
3  2  1  2  4  2  3  2  1  3  2  2  1  1  1  1  2  1  2  5  1  1  1  1
2  2  1  5  1  1  2  5  1  1  1  2  1  3  1  2  2  4  4  1  2  2  3  2
1  1  2  3  2  2  2  3  3  2  2  2  1  2  1  1  4

STUDENT NO. 23
2  4  1  2  1  1  5  2  2  3  4  3  5  3  2  4  2  1  4  2  2  2  3  2
2  2  4  2  3  1  3  3  1  3  3  2  3  2  2  3  3  2  2  3  1  2  5  1
2  3  2  2  2  2  2  3  1  2  2  3  2  2  2  2  1  3  4  2  2  1  3  3
1  2  3  1  2  4  1  2  4  1  2  1  1  1  1  1  1

STUDENT NO. 24
1  5  1  3  1  1  5  4  2  5  3  1  4  2  1  1  1  1  5  1  1  1  1  1
1  2  1  1  1  1  3  1  1  4  2  2  1  1  1  1  1  3  1  5  1  1  1  1
1  2  1  5  2  1  2  5  1  1  1  1  3  2  2  1  2  3  2  1  2  2  2  2
1  2  2  3  2  1  1  1  4  1  1  1  1  1  1  1  1

STUDENT NO. 25
4  3  4  4  3  4  2  3  3  4  2  2  2  2  3  4  3  5  2  3  2  2  2  1
1  1  1  1  4  1  2  1  1  2  2  2  2  2  2  2  3  2  3  3  4  3  4  2
2  2  2  2  5  3  2  2  2  2  2  3  3  3  2  2  1  5  5  1  3  1  5  5
1  3  3  2  2  2  2  2  2  3  2  1  1  1  1  1  4

STUDENT NO. 26
5  2  1  3  1  1  5  2  2  5  2  2  3  1  2  1  1  3  5  2  2  1  3  4
2  3  4  1  1  1  5  5  5  3  2  2  4  3  2  2  2  2  3  2  1  4  3  1
2  2  3  2  5  3  3  4  2  2  2  3  3  3  3  3  3  4  5  1  2  1  2  3
1  2  2  2  2  3  2  2  3  2  2  1  1  1  1  1  1

STUDENT NO. 27
4  3  1  5  1  1  5  3  2  2  2  2  2  2  1  2  1  3  5  3  2  2  4  4
1  3  4  1  3  1  4  3  2  3  3  4  3  2  1  4  4  4  3  5  2  4  5  1
3  4  2  4  2  5  1  4  1  4  1  1  2  3  2  3  4  4  2  4  3  4  3  2
2  3  3  1  2  4  1  3  1  3  4  1  1  1  1  1  1

STUDENT NO. 28
2  4  3  3  1  1  5  4  4  5  2  2  1  1  2  2  3  1  5  4  3  3  3  1
5  3  2  1  3  3  4  1  3  4  3  3  1  4  3  5  3  2  3  2  1  4  3  1
2  2  3  2  5  3  3  4  2  2  4  3  4  1  3  3  3  4  5  1  2  5  5  3
1  3  5  3  3  3  2  2  3  2  3  4  5  3  1  3  3

STUDENT NO. 29
1  3  5  3  1  5  4  4  3  3  1  3  3  1  3  1  5  1  3  5  5  5  1  3
1  1  5  3  1  1  5  5  1  1  1  5  5  1  5  5  3  5  5  5  3  3  5  2
3  3  5  2  1  3  5  3  3  2  1  1  5  1  4  1  5  5  5  1  2  3  3  5
1  2  5  5  5  5  1  5  5  3  3  3  3  3  3  3  3

STUDENT NO. 30
3  5  1  3  2  1  5  2  2  4  3  2  5  3  2  2  2  2  5  2  2  2  4  1
1  2  2  1  1  1  2  2  2  2  2  2  2  2  2  3  2  2  3  4  4  3  2  1
2  2  2  2  3  2  1  2  2  2  2  3  2  2  2  2  2  5  2  1  2  2  4  2
1  3  2  3  3  3  2  3  3  1  2  1  2  1  2  2  3
```

```
STUDENT NO. 31
4  5  3  5  3  4  4  3  3  3  5  5  3  2  3  3  3  3  5  3  2  5  1  3
3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3
3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3
3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3

STUDENT NO. 32
2  5  3  5  1  2  5  2  3  5  5  2  3  2  1  1  5  2  5  5  3  1  1  2
2  2  5  2  2  1  4  4  4  3  3  2  4  1  1  2  3  2  2  2  4  4  3  2
2  2  4  4  3  2  5  4  2  2  2  2  2  3  2  3  2  4  4  2  2  2  5  2
1  2  3  3  2  3  4  2  4  3  2  2  2  2  1  2  4

STUDENT NO. 33
4  3  4  5  5  5  2  4  5  5  5  1  1  1  4  3  3  1  1  1  2  4  3  3
3  3  3  1  1  2  3  4  2  3  4  3  3  2  1  2  1  3  3  3  1  2  2  1
2  2  2  2  1  3  3  3  3  3  2  3  3  3  3  3  1  2  1  1  3  1  2  1
1  2  4  3  1  1  2  1  1  1  1  1  1  1  1  1  3

STUDENT NO. 34
4  5  4  1  2  2  4  2  3  1  3  2  1  3  2  1  1  2  5  1  5  3  2  4
1  2  4  1  2  1  3  4  2  3  5  1  4  1  1  2  1  3  2  1  5  2  1  2
2  2  4  3  1  1  1  2  2  1  1  2  1  2  1  4  1  1  2  1  2  1  2  1
2  3  4  2  5  4  1  3  4  5  1  1  1  2  3  3  3

STUDENT NO. 35
4  4  2  3  2  3  4  2  3  4  3  3  3  2  3  3  2  2  4  3  2  2  3  1
1  3  2  2  2  2  2  2  3  3  3  3  2  2  3  2  3  3  3  3  2  2  4  3
3  3  3  3  3  2  2  3  2  2  2  3  2  3  2  2  1  2  2  2  2  2  4  2
3  2  3  2  3  4  2  3  2  3  2  2  2  2  2  2  4

STUDENT NO. 36
3  5  1  5  1  1  5  3  1  5  5  2  5  5  1  1  1  2  5  3  3  3  3  3
2  3  4  2  3  1  3  5  2  4  2  3  3  1  2  2  2  2  3  2  3  2  3  3
2  2  2  1  4  2  2  3  2  2  2  2  2  2  2  1  2  1  1  1  1  3  1
1  2  2  3  2  2  3  2  1  2  2  1  1  1  1  1  2

STUDENT NO. 37
3  3  3  3  3  3  5  4  3  3  1  1  1  1  2  5  3  4  1  3  1  3  4  1
1  2  1  1  2  1  1  1  3  1  2  1  1  3  3  1  4  3  4  4  4  5  2  3
1  4  3  5  4  2  3  2  2  2  5  1  3  4  3  5  2  2  1  5  5  3  1  4
2  2  3  4  2  2  3  1  5  1  4  3  3  2  4  5  5

STUDENT NO. 38
4  4  2  3  2  2  4  3  3  4  2  2  4  2  3  3  2  2  5  2  3  2  2  3
3  1  4  1  1  1  4  3  2  3  3  2  4  2  2  2  2  3  2  3  2  2  4  3
3  2  3  2  3  3  2  3  2  2  2  2  2  3  2  3  3  3  4  2  3  3  3  2
3  3  3  3  3  3  2  2  4  4  1  1  1  1  2  1  1

STUDENT NO. 39
5  4  4  3  2  2  4  3  4  3  2  2  3  2  3  2  3  2  4  3  2  1  1  2
1  2  4  2  1  2  1  1  2  2  2  2  2  2  2  3  3  2  3  2  2  2  3  2
3  3  2  3  2  2  2  3  2  1  1  3  2  3  2  3  2  3  2  1  3  1  5  1
3  3  3  3  3  4  2  2  3  4  2  1  2  2  2  2  3
                         °

STUDENT NO. 40
5  3  4  3  2  2  5  4  4  5  3  5  4  2  2  2  1  1  5  3  5  3  5  1
1  1  3  1  3  1  2  1  3  5  5  2  1  1  2  3  1  2  3  3  1  1  5  1
2  1  2  1  1  2  3  2  2  1  2  3  3  2  1  1  2  1  1  3  2  2  2  3
3  2  5  1  4  2  1  2  2  3  2  2  1  1  3  1  5
```

STUDENT NO. 41
```
5   4   5   5   3   2   4   2   4   2   1   5   3   1   4   2   1   2   4   5   1   1   1   2
1   1   2   2   2   1   5   2   4   4   2   2   2   2   2   3   2   2   2   2   2   2   2   2
2   2   2   2   2   2   2   3   2   2   2   2   3   3   2   2   2   3   2   3   2   1   1   1
2   3   2   2   2   3   3   2   1   2   1   1   2   1   2   1   3
```

STUDENT NO. 42
```
3   4   4   3   3   2   3   3   4   3   2   3   3   5   3   2   2   1   4   2   3   3   2   3
3   3   2   3   3   3   3   4   2   2   4   3   3   3   3   2   3   3   2   2   3   3   3   3
3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3
3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3   3
```

STUDENT NO. 43
```
3   4   3   2   2   2   3   4   3   3   2   1   4   1   2   2   5   4   4   2   3   2   2   1
2   2   2   1   2   2   4   1   2   3   2   2   2   2   2   3   2   2   2   3   2   2   4   2
2   2   1   2   2   1   2   3   2   2   1   2   2   2   2   2   2   2   2   3   4   3   3   2
2   3   2   2   3   2   2   2   2   3   3   3   3   3   3   3   3
```

STUDENT NO. 44
```
3   5   2   2   1   1   4   2   3   5   4   1   4   3   1   2   3   1   5   2   4   1   3   1
2   1   3   1   1   1   5   3   3   3   4   1   1   1   3   5   3   1   5   3   5   4   2   3
2   3   4   4   1   3   5   3   1   1   1   3   1   1   1   3   1   1   1   2   2   3   5   1
1   2   3   5   1   5   5   3   1   1   1   1   1   2   3   1   1
```

STUDENT NO. 45
```
5   5   5   5   1   3   4   5   5   5   5   5   5   1   3   1   3   1   5   5   5   5   1   1
3   1   5   5   1   1   1   5   5   3   5   1   1   5   5   1   2   5   5   5   1   5   3   5
3   3   5   1   5   1   3   3   5   1   1   1   5   1   5   1   3   5   1   1   1   3   5   5
1   1   1   5   3   3   3   5   1   3   1   1   1   1   1   1   1
```

STUDENT NO. 46
```
5   4   5   5   3   4   2   4   4   3   1   2   2   2   3   5   1   3   4   5   4   2   3   2
2   5   4   2   2   2   4   5   3   3   3   3   3   2   2   3   3   4   4   4   4   4   4   3
4   4   4   4   1   2   3   4   2   2   2   3   2   2   2   3   3   5   5   2   1   3   5   5
1   3   5   3   5   5   2   2   4   1   5   3   3   2   2   1   4
```

STUDENT NO. 47
```
5   4   4   2   2   2   4   3   3   4   4   3   5   2   2   3   2   1   5   2   3   3   2   2
4   3   3   2   4   1   4   5   3   3   4   2   2   3   3   2   4   2   2   4   4   3   5   2
2   2   3   3   3   2   2   3   2   2   2   3   2   2   2   2   3   2   2   1   2   4   5   1
1   4   1   1   2   5   2   3   1   1   1   1   1   1   1   1   1
```

STUDENT NO. 48
```
2   4   4   3   1   1   5   2   2   5   5   2   5   2   2   2   2   1   5   2   3   3   3   3
3   3   2   1   3   1   5   3   3   4   3   2   2   3   4   3   3   3   2   3   5   2   1   1
4   3   2   4   5   3   2   5   3   2   3   2   2   2   1   2   2   2   5   1   4   2   3   4
1   4   3   3   3   2   2   1   1   2   2   2   2   3   1   1   3
```

STUDENT NO. 49
```
1   2   1   3   1   1   5   1   1   1   1   2   4   2   2   2   4   2   5   3   2   5   3   2
4   2   3   2   1   1   2   2   2   3   3   2   2   2   3   3   2   3   3   3   4   2   3   1
2   2   2   3   4   3   2   3   2   1   2   3   2   2   1   1   2   3   2   1   2   3   3   2
1   2   2   3   2   2   3   2   1   2   2   1   1   1   1   1   1
```

STUDENT NO. 50
```
3   4   2   3   1   2   5   2   2   5   3   4   5   3   2   3   3   2   5   3   3   1   2   2
1   2   3   1   1   1   3   4   3   3   4   3   3   2   2   2   1   3   3   3   5   2   4   3
3   2   3   5   4   3   4   3   2   2   2   2   3   3   3   3   3   2   2   1   3   3   5   5
1   4   3   3   2   3   4   1   1   1   1   1   1   1   2   2   2
```

STUDENT NO. 51
```
1   5   1   2   1   1   5   1   1   5   5   1   5   5   1   1   1   2   5   1   5   1   1   5
1.  1   4   1   1   1   5   2   1   1   2   1   2   1   2   2   1   1   2   3   2   1   5   3
1   1   1   1   4   1   1   3   1   1   1   5   4   3   1   4   1   2   4   1   2   2   4   3
1   4   4   3   3   2   4   4   1   3   3   2   1   1   1   1   5
```

STUDENT NO. 52
```
3   5   5   3   2   2   5   2   4   5   3   2   3   1   3   2   4   2   4   3   5   1   2   3
3   4   5   1   3   2   5   2   3   3   4   4   1   4   4   3   3   3   4   2   3   5   2   4
4   3   4   4   4   3   3   4   3   2   3   4   3   2   2   3   3   3   4   1   3   5   2   4
1   4   3   2   2   3   5   5   2   1   3   1   2   2   1   1   3
```

STUDENT NO. 53
```
2   3   4   3   2   2   4   2   3   5   1   2   5   1   2   2   3   1   3   1   1   1   1   1
1   2   1   1   1   1   1   1   1   4   4   2   1   1   1   1   1   2   2   1   5   1   1   3
1   1   1   3   3   1   2   3   3   3   3   3   3   3   1   1   1   1   2   1   1   1   1   1
1   3   5   1   1   5   1   1   5   1   1   1   1   1   1   1   5
```

STUDENT NO. 54
```
4   5   1   4   2   2   5   3   2   5   3   2   4   2   1   3   1   1   5   2   3   3   2   1
1   1   2   1   2   1   5   2   2   4   2   4   1   4   3   2   2   3   2   4   5   2   5   2
4   3   3   3   4   3   2   3   2   3   2   1   2   3   2   2   4   1   3   1   4   3   4   2
1   4   4   3   2   5   2   3   1   1   3   1   1   1   1   1   1
```

STUDENT NO. 55
```
5   5   1   3   1   1   5   1   1   4   4   2   4   4   1   2   2   1   5   3   2   3   3   1
1   2   3   2   1   1   1   2   3   3   3   2   2   2   2   3   2   2   3   3   2   1   3   2
2   3   2   4   4   3   2   4   2   1   1   4   2   2   2   3   2   2   3   1   3   2   2   2
1   3   3   2   2   4   1   2   4   5   1   1   1   2   2   1   1
```

STUDENT NO. 56
```
4   3   5   3   2   2   4   4   4   3   2   4   3   1   3   3   3   1   4   2   3   2   3   2
1   2   4   2   3   1   3   4   3   3   4   3   3   3   3   4   3   3   3   4   3   4   5   3
3   3   2   3   2   4   4   5   4   3   3   3   3   3   3   3   2   4   5   2   2   3   5   5
1   3   4   4   4   3   4   4   4   4   1   2   2   2   5   2   3
```

STUDENT NO. 57
```
3   4   3   4   3   2   4   3   3   2   2   2   3   3   3   2   2   2   4   2   3   2   3   3
3   3   2   2   2   2   4   3   2   4   3   2   3   3   3   3   4   3   2   2   4   2   3   3
3   3   3   3   4   3   4   3   3   2   3   2   2   3   3   3   3   3   3   3   3   3   3   3
3   3   3   3   3   3   2   1   4   3   2   2   1   1   1   1   4
```

STUDENT NO. 58
```
4   4   5   5   2   2   5   2   3   3   1   1   3   1   2   2   1   3   2   2   1   3   3   3
3   2   4   1   4   1   4   4   3   2   3   3   4   3   2   3   2   3   4   3   4   4   1   3
2   3   2   3   4   2   3   2   1   1   2   4   3   3   2   3   2   2   5   1   1   1   2   4
1   1   4   3   3   4   2   3   4   3   3   1   2   1   1   1   3
```

STUDENT NO. 59
```
3   4   4   3   2   2   4   3   3   5   2   3   2   3   2   4   2   2   5   2   3   1   3   3
2   3   3   1   2   2   5   3   2   3   3   2   2   1   3   5   3   3   3   4   2   2   5   1
2   3   2   3   2   2   3   3   2   3   2   4   2   3   3   2   3   2   2   2   4   1   2   4
2   5   3   2   1   1   3   2   1   2   2   1   1   1   1   1   2
```

STUDENT NO. 60
```
4   5   4   2   2   2   4   2   2   4   5   1   2   1   2   1   1   5   2   4   3   5   1   1
1   4   1   2   2   4   1   4   3   2   1   1   1   1   2   1   2  -2   2   2   1   5   1   2
3   2   4   3   2   2   2   2   1   2   1   1   3   3   3   1   2   2   2   1   2   3   3   1
1   2   1   3   5   1   2   3   2   2   1   1   1   1   1   1   1
```

```
STUDENT NO. 61
3  4  3  3  2  2  4  3  4  1  1  4  3  2  3  2  4  2  5  1  1  1  1  1
1  2  2  1  1  2  4  4  2  2  2  2  2  1  2  2  2  2  2  3  2  2  3  2
3  2  2  3  2  4  2  3  2  2  2  2  2  3  2  2  2  2  3  1  3  2  2  3
1  2  2  2  1  3  2  2  2  1  1  1  1  2  2  1  2

STUDENT NO. 62
3  4  2  2  2  2  5  2  2  5  3  2  3  3  2  2  3  2  4  3  4  3  3  3
3  3  3  3  3  3  3  3  2  3  2  2  2  2  3  2  3  3  2  3  3  3  3  3
3  3  2  3  4  3  3  3  2  3  3  3  3  3  2  2  1  3  2  2  3  2  3  3
2  3  3  3  3  3  2  3  3  2  1  2  2  2  1  2  2

STUDENT NO. 63
3  4  2  4  1  2  5  3  2  5  3  2  2  3  2  2  1  5  3  3  2  3  2  1
2  3  1  2  1  4  2  3  2  2  2  3  2  3  3  3  4  3  3  5  2  4  2  3
3  3  2  2  4  2  4  2  2  3  4  2  2  2  3  2  2  4  1  2  2  2  4  1
3  2  3  2  1  3  3  1  1  1  1  1  1  1  1  2  2

STUDENT NO. 64
5  5  4  3  5  5  5  1  4  5  3  3  5  5  4  3  5  4  5  5  4  1  2  1
2  3  2  4  3  3  1  3  3  3  3  3  4  3  3  3  3  2  3  4  4  2  3  4
1  1  2  2  2  3  3  3  3  2  2  2  2  2  2  2  3  3  2  2  1  2  3  3
3  1  3  3  2  3  2  3  2  3  1  1  1  1  1  1  1

STUDENT NO. 65
1  5  5  4  2  2  4  1  3  1  5  3  5  5  3  1  3  1  5  5  5  3  3  1
1  2  2  1  1  1  5  5  3  2  3  1  3  3  3  3  3  2  5  3  5  2  5  3
1  5  2  4  4  3  2  4  1  2  1  1  1  1  2  3  4  4  4  2  3  4  4  4
1  4  4  4  2  1  3  2  1  2  1  1  1  2  1  1  4

STUDENT NO. 66
1  5  1  3  1  1  5  1  1  5  2  1  5  4  1  5  2  1  5  3  5  1  1  3
1  1  3  1  3  1  5  4  3  2  3  2  5  5  3  3  2  3  5  2  2  2  5  2
3  3  5  3  1  3  2  3  2  3  2  1  1  3  3  3  2  2  3  1  3  4  4  3
1  3  3  2  3  4  4  3  2  3  1  1  1  1  2  2  5

STUDENT NO. 67
1  5  2  3  2  1  5  2  2  1  2  2  4  4  2  2  2  3  5  1  3  1  2  3
1  1  4  1  3  2  5  5  1  3  4  2  2  1  2  3  3  3  2  3  5  3  5  1
2  2  3  2  2  2  2  2  2  2  2  3  2  2  2  1  4  4  4  2  2  3  3  3
1  2  2  3  1  1  4  2  2  2  2  1  1  1  1  1  1

STUDENT NO. 63
5  3  3  4  2  2  3  3  2  3  3  4  2  4  2  3  2  2  4  3  5  3  2  1
1  2  3  2  1  1  5  4  2  3  3  2  4  3  2  4  3  1  3  2  3  3  2  2
2  2  3  4  5  1  1  2  3  3  2  5  2  2  3  5  5  5  2  3  4  5  3  1
5  4  3  2  2  3  1  4  3  1  4  4  2  3  3  4  4

STUDENT NO. 69
2  4  2  3  2  3  4  3  3  4  3  2  2  1  3  3  1  1  5  3  5  4  4  2
2  2  4  1  3  1  4  4  1  4  2  2  4  1  2  3  3  3  2  2  4  1  5  3
2  2  1  2  3  3  2  1  2  2  1  1  1  1  1  1  2  2  5  1  1  2  2  1
1  1  2  1  2  3  2  3  4  1  3  2  1  1  1  1  1

STUDENT NO. 70
5  5  2  2  2  2  5  3  3  1  1  2  1  2  3  4  1  1  5  2  5  1  3  5
1  2  5  1  3  1  5  5  4  3  3  3  3  1  3  4  3  4  3  2  5  1  4  3
3  1  4  3  5  3  3  3  1  1  3  3  3  3  3  3  1  1  5  1  1  1  5  3
1  3  4  3  3  3  3  3  3  2  2  2  2  2  5  1  5
```

STUDENT NO. 71
```
1   5   3   4   2   2   4   3   3   1   1   3   5   2   2   2   2   2   5   3   3   2   2   4
2   2   4   1   2   1   5   5   2   3   2   2   3   2   2   1   3   2   2   2   3   2   4   3
2   2   2   2   1   1   2   2   1   2   2   3   1   3   1   2   2   2   3   1   2   2   2   3
1   1   2   2   2   1   1   2   3   1   1   1   1   1   1   1   1
```

STUDENT NO. 72
```
4   4   3   3   4   4   3   2   2   5   4   2   2   1   2   3   4   1   5   2   3   3   2   3
3   1   3   2   3   3   4   1   2   3   2   2   4   3   3   3   3   3   3   3   2   4   4   3
3   4   3   3   2   3   3   2   4   3   3   4   3   2   2   3   2   2   5   1   3   1   2   5
1   3   1   3   3   2   2   3   3   2   1   2   1   2   1   1   2
```

STUDENT NO. 73
```
4   4   3   4   2   2   4   4   3   5   1   1   5   4   3   2   4   1   5   2   4   2   2   2
2   2   4   1   1   1   5   1   2   3   4   4   1   2   2   2   2   4   4   1   2   2   5   3
3   4   2   4   2   4   2   2   2   1   1   1   1   1   3   1   3   4   4   1   1   4   4   4
1   1   1   2   2   4   2   2   1   2   2   1   1   1   1   1   1
```

STUDENT NO. 74
```
5   5   2   5   1   2   5   2   2   5   4   3   4   4   3   2   2   2   5   2   1   1   1   2
2   1   3   1   2   3   4   5   4   2   2   3   3   4   4   1   3   5   2   1   2   3   1   2
3   4   4   2   3   5   1   2   2   2   2   2   2   2   2   5   5   5   5   5   1   3   3
1   1   1   1   1   1   1   1   1   1   2   2   1   1   1   1   1
```

STUDENT NO. 75
```
2   4   3   2   2   2   4   2   2   3   5   2   3   3   4   2   2   2   4   3   2   3   3   4
3   3   2   2   3   3   3   3   4   4   3   3   1   3   2   2   3   3   3   2   3   1   2   3
2   3   2   2   2   3   3   3   3   3   3   2   3   3   2   3   1   3   3   2   2   3   3   3
1   3   2   2   4   4   2   4   4   3   3   2   2   2   2   2   2
```

STUDENT NO. 76
```
3   2   3   2   3   3   3   3   3   3   1   2   1   1   3   4   4   2   4   2   3   3   2   3
1   3   4   1   2   1   1   3   3   2   3   3   3   4   4   3   3   3   4   2   2   3   2   3
3   4   3   2   1   3   3   3   2   2   2   3   2   2   2   2   3   2   4   1   2   3   3   3
1   3   2   2   1   1   2   2   2   3   3   3   2   2   3   3   4
```

STUDENT NO. 77
```
2   4   2   5   1   2   5   2   2   1   1   2   4   1   2   3   2   1   4   5   2   2   2   2
2   2   5   1   1   3   5   5   3   3   4   3   3   2   2   2   3   3   3   3   3   2   2   3
3   2   2   2   5   3   3   3   3   3   3   3   3   2   3   3   2   5   1   2   3   2   5
1   1   4   2   5   4   1   5   3   1   1   1   2   2   2   2   2
```

STUDENT NO. 78
```
2   2   4   1   1   1   4   2   2   3   3   3   3   2   2   2   2   1   5   1   2   1   2   2
3   4   2   2   3   3   1   3   5   2   1   3   3   2   5   5   2   1   3   3   5   2   1   4
1   4   4   5   2   1   3   1   3   3   1   2   2   2   2   1   2   3   2   5   3   3   2   3
4   4   2   4   2   2   2   4   4   2   4   3   2   4   4   3   3
```

STUDENT NO. 79
```
1   1   3   1   1   1   5   1   1   5   5   1   5   1   1   5   5   5   1   1   1   5   1   1
1   1   1   1   1   1   1   1   1   1   1   5   1   1   1   1   1   5   3   2   1   4   1   4   2
4   2   4   2   3   1   1   2   1   5   1   1   5   1   1   3   5   5   1   5   1   4   5   1
1   4   3   5   1   1   1   1   1   1   1   1   1   1   1   5   1   1
```

STUDENT NO. 80
```
5   5   1   1   1   1   5   1   2   5   1   2   5   5   1   1   1   3   5   3   3   3   3   4
1   1   5   1   2   1   4   5   1   3   2   1   4   1   1   1   2   2   1   2   2   1   5   1
1   2   1   2   3   1   1   2   1   1   1   1   1   1   2   1   1   3   1   1   1   1   2   2   2
1   1   1   4   4   1   5   5   1   3   1   1   1   1   1   2   1
```

```
STUDENT NO. 81
5  5  1  1  1  1  5  1  2  5  1  1  5  5  2  1  1  1  5  1  3  2  3  4
2. 1  4  1  2  1  5  4  1  3  2  2  4  2  2  2  2  2  1  1  2  1  5  1
1  2  1  1  3  1  1  1  1  1  1  1  1  1  2  1  3  2  1  1  1  2  2
1  1  1  1  1  1  1  5  1  3  1  1  1  1  1  1  1

STUDENT NO. 82
5  3  1  3  1  1  5  2  2  3  1  4  5  4  3  4  4  2  5  1  1  3  1  2
2  1  1  1  1  1  3  2  2  1  2  5  1  1  1  1  1  2  1  1  1  3  5  1
1  2  1  3  1  3  1  3  2  3  2  3  2  3  2  2  1  5  1  1  3  2  5  1
1  1  3  3  2  3  3  1  5  3  1  1  2  1  2  2  2

STUDENT NO. 33
2  5  2  4  2  2  5  3  2  4  4  2  4  4  2  2  2  3  5  1  3  3  2  1
1  2  3  2  2  1  4  3  2  3  2  2  4  2  2  3  2  3  3  2  4  2  4  3
2  3  3  2  4  2  2  2  2  3  3  2  3  3  3  3  2  3  2  1  4  2  2  2
1  4  3  3  3  3  3  3  3  2  4  2  2  2  3  2  4

STUDENT NO. 84
2  4  1  1  1  1  5  1  1  5  1  1  1  1  1  1  1  1  5  1  5  1  1  3
3  1  2  2  2  1  2  1  2  4  3  1  1  2  2  2  2  2  2  2  1  1  5  2
1  2  2  4  5  4  3  2  1  3  2  2  2  2  1  2  1  2  1  2  3  1  1  1
1  5  1  2  2  2  2  2  2  1  1  1  1  1  1  1  2  1

STUDENT NO. 85
2  5  4  1  1  1  5  4  1  5  3  1  5  2  1  1  1  1  5  3  4  2  3  5
5  1  1  1  3  1  4  5  1  4  3  1  4  1  1  1  1  3  3  3  1  1  5  1
1  2  2  1  1  5  3  3  1  1  2  3  3  3  3  3  1  2  5  1  3  2  3  4
1  5  3  1  2  1  3  3  3  3  2  1  1  1  3  3  3

STUDENT NO. 86
4  3  3  3  3  3  2  5  4  1  1  2  1  1  4  3  2  1  5  5  1  1  2  3
2  2  2  2  2  3  1  2  2  3  2  2  2  2  3  3  3  3  4  4  2  3  4  3
3  4  3  3  1  3  2  4  2  2  2  3  4  2  3  4  3  5  5  3  4  3  5  5
3  3  3  5  4  2  3  3  1  2  3  3  3  2  5  2  5

STUDENT NO. 87
2  5  3  3  2  1  3  1  1  2  1  2  3  4  3  1  2  1  3  1  1  1  3  3
2  2  1  1  3  1  1  1  1  3  2  2  2  1  3  1  1  2  2  1  3  2  2  1
2  1  3  1  1  3  3  3  2  3  2  3  1  1  1  1  3  2  5  1  1  1  1  1
1  5  3  2  5  5  1  5  5  1  1  1  1  1  1  1  1

STUDENT NO. 88
4  4  2  3  1  1  5  2  3  5  2  2  3  1  1  3  4  1  5  2  2  3  3  1
1  2  4  1  3  1  5  2  3  3  4  2  4  2  2  3  2  3  3  3  4  2  3  3
2  3  2  3  4  3  2  3  2  2  3  2  1  3  3  3  2  2  2  1  4  1  2  2
1  3  3  2  3  4  3  2  2  2  3  1  1  1  2  1  2

STUDENT NO. 89
3  2  1  3  1  1  5  3  2  5  3  3  4  2  2  2  1  2  4  3  2  3  3  2
2  2  3  2  3  1  5  3  2  3  3  2  3  2  3  2  3  3  3  3  2  3  3  3
3  2  3  3  5  3  3  3  3  2  2  3  3  3  3  3  1  3  3  1  3  1  2  3
1  3  3  3  2  2  3  2  1  1  2  2  1  1  1  1  2

STUDENT NO. 90
4  5  3  5  1  1  5  1  3  2  1  3  5  1  1  4  1  1  5  1  1  2  3  3
2  1  3  1  1  1  4  1  1  3  1  1  2  1  2  3  3  2  1  2  3  1  1  2
2  2  2  1  3  1  4  3  1  1  2  3  2  3  1  1  2  1  4  2  1  3  2  4
1  1  2  1  5  5  1  1  5  1  1  1  1  1  2  1  2
```

STUDENT NO. 91
```
1  5  3  3  5  5  5  3  2  1  1  3  2  2  2  1  1  1  4  3  3  3  3  1
1  5  5  1  2  1  1  4  2  3  4  2  2  1  2  2  1  5  4  3  1  1  1  2
4  2  2  3  5  5  1  5  1  1  3  3  1  3  2  2  1  3  2  1  2  1  3  2
1  3  2  2  1  2  1  1  1  1  1  1  1  1  1  1  2
```

STUDENT NO. 92
```
1  4  4  2  1  1  5  3  3  4  2  1  1  2  2  2  3  1  5  1  4  1  2  1
1  2  5  1  3  1  5  2  1  1  4  1  2  1  2  2  2  2  2  1  1  2  5  1
2  2  2  1  1  4  2  1  3  1  2  2  2  2  2  2  2  2  3  1  2  1  1  3
1  3  2  1  1  1  1  1  1  3  3  1  1  1  1  1  1
```

STUDENT NO. 93
```
2  4  3  3  1  1  5  1  2  5  3  3  5  1  1  1  1  1  5  1  3  3  5  1
1  3  4  2  1  1  5  5  1  3  3  1  4  2  2  5  2  2  1  3  5  3  4  1
3  2  2  2  3  2  2  3  1  2  3  2  3  1  2  3  1  1  4  1  2  2  3  3
1  1  1  4  4  1  2  4  5  1  2  1  1  1  1  1  2
```

STUDENT NO. 94
```
2  3  5  1  2  2  4  2  3  1  1  4  1  1  2  1  1  3  5  5  1  1  1  1
1  4  5  1  1  1  4  2  1  1  5  2  5  1  2  3  1  4  4  1  5  2  1  1
5  3  3  5  2  5  3  4  1  1  3  3  2  3  1  1  2  2  5  1  2  1  3  5
1  3  1  2  1  1  1  1  1  1  1  1  1  1  1  1  1
```

RESPONSES - TECHNICIAN STUDENTS UNDER 18 YEARS OF AGE

STUDENT NO. 1
```
2 5 1 3 1 1 5 2 1 5 2 1 3 1 1 1 1 1 5 1 1 1 2 3
2 1 2 1 1 1 1 3 2 2 1 1 1 1 1 3 3 3 2 3 1 1 5 3
1 2 1 3 1 2 1 3 1 1 1 1 1 1 1 1 1 1 2 1 5 1 1 1
1 3 2 2 2 2 3 2 3 2 2 1 5 1 3 1 1
```

STUDENT NO. 2
```
5 5 1 4 1 1 5 3 1 5 5 1 2 5 2 1 2 1 5 2 1 1 5 1
1 2 5 1 1 1 1 1 1 4 4 5 1 1 2 1 2 2 4 5 4 2 5 1
2 3 2 1 1 5 2 3 1 1 1 4 1 2 5 1 1 1 2 1 5 1 1 1
1 2 2 1 5 4 1 5 4 1 1 1 2 1 1 1 1
```

STUDENT NO. 3
```
5 4 3 3 1 1 5 4 4 3 3 1 5 5 1 1 3 1 5 2 2 1 3 1
1 3 4 3 2 1 4 5 2 4 2 2 3 2 1 2 3 3 4 3 3 1 4 3
1 2 3 3 4 4 3 3 1 1 3 4 3 3 2 3 1 4 3 1 4 2 3 3
1 4 3 4 1 2 3 1 1 2 1 1 2 1 4 1 3
```

STUDENT NO. 4
```
3 4 4 5 2 1 3 3 3 5 4 2 5 5 2 2 2 1 5 1 2 4 2 1
1 1 4 1 2 3 4 4 2 3 2 2 2 1 2 2 3 2 2 2 1 1 5 1
2 2 2 2 2 3 1 1 2 2 1 3 1 2 2 3 1 2 1 1 2 1 1 1
1 2 3 2 3 5 1 3 5 4 1 1 1 1 1 1 1
```

STUDENT NO. 5
```
4 4 4 4 2 2 4 3 3 3 4 2 4 2 3 3 4 2 4 2 2 3 3 2
3 2 4 2 3 2 4 4 2 3 2 2 2 2 2 2 3 2 2 2 4 4 4 3
2 3 2 2 2 2 2 2 3 2 2 4 3 2 2 2 1 3 3 1 4 1 2 2
1 4 2 2 2 2 2 2 2 4 4 2 3 2 2 2 2
```

STUDENT NO. 6
```
3 4 4 2 1 2 5 3 2 4 2 5 2 2 2 4 3 1 5 1 4 4 3 3.
1 2 4 1 1 2 5 4 2 3 4 2 5 2 3 2 3 2 3 1 2 3 4 3
2 2 1 2 3 3 3 3 2 2 1 1 3 2 4 2 2 3 2 1 4 1 3 2
1 5 4 4 2 3 4 2 1 4 2 1 2 3 2 1 2
```

STUDENT NO. 7
```
5 5 3 4 2 1 4 3 2 4 3 3 5 5 2 2 5 2 5 2 4 4 2 2
3 2 4 1 2 2 3 4 2 3 3 2 3 2 2 2 3 2 2 2 2 3 4 3
2 3 2 2 3 2 3 3 3 2 2 2 3 3 3 4 1 3 2 1 4 1 2 1
1 3 2 3 3 2 3 2 2 1 2 1 2 1 2 2 1
```

STUDENT NO. 8
```
2 5 2 2 1 2 5 2 2 5 1 2 5 3 2 4 1 1 5 1 2 3 3 3
1 2 4 2 3 2 3 3 2 2 3 2 4 2 2 2 2 2 2 3 2 2 2 2
2 2 2 2 2 2 2 2 2 2 3 2 2 3 2 2 1 2 2 1 5 1 2 2
1 5 2 3 1 1 4 2 1 2 1 2 2 2 2 2 2
```

STUDENT NO. 9
```
4 4 2 4 2 1 4 4 3 4 3 4 4 3 4 3 2 3 5 3 3 2 3 2
3 3 4 2 2 2 4 4 2 4 3 2 3 1 2 3 3 3 4 3 2 3 4 2
3 3 2 2 4 3 2 3 3 3 3 3 3 3 3 1 3 3 1 3 2 3 3
2 4 3 3 3 2 4 4 2 5 3 2 2 2 1 1 2
```

STUDENT NO. 10
```
2 5 1 2 1 1 5 1 1 5 3 1 5 2 1 1 1 1 5 1 2 2 5 2
2 2 2 2 2 1 3 1 2 3 3 2 3 2 2 3 3 3 3 3 2 1 3 3
3 2 4 3 3 3 4 3 2 3 2 3 2 3 3 4 1 4 4 1 5 1 4 2
1 5 3 3 2 2 1 2 5 1 3 1 1 1 2 2 3
```

```
STUDENT NO.  11
  5   3   4   3   1   2   5   4   3   4   2   2   2   1   2   2   1   1   5   1   4   3   3   2
  3   1   4   1   3   1   4   1   2   3   3   2   1   1   1   3   2   4   4   5   5   2   2   3
  2   2   2   3   3   3   4   3   4   4   2   3   2   5   4   4   2   3   2   3   4   4   2   3
  4   5   3   4   2   3   5   1   1   5   1   1   1   2   2   2   2

STUDENT NO.  12
  3   4   4   5   2   2   3   4   3   1   1   4   2   1   4   3   5   !   5   2   3   3   5   2
  2   1   2   1   2   1   5   5   3   3   3   1   1   2   2   3   2   2   5   4   1   5   1   3
  1   3   2   3   1   5   3   1   1   3   1   4   3   3   4   3   2   4   4   1   4   1   1   1
  1   3   3   2   4   5   2   2   1   3   1   1   1   1   1   1   2

STUDENT NO.  13
  1   5   3   1   1   1   5   2   2   5   3   2   3   2   2   1   1   1   5   1   3   1   3   1
  1   2   4   1   1   1   4   2   3   2   2   2   3   2   2   2   2   2   2   2   4   3   3   3
  2   2   2   2   1   4   2   3   2   2   1   2   2   3   2   2   1   2   2   1   4   1   2   2
  1   3   2   2   1   1   2   1   1   1   1   1   1   1   1   1   3

STUDENT NO.  14
  4   4   3   3   2   2   3   3   3   5   4   3   2   3   2   2   3   2   3   2   2   3   2   1
  1   2   3   1   1   3   4   3   3   3   3   2   2   2   2   3   2   2   3   2   2   1   4   2
  2   2   3   3   2   3   3   2   1   2   2   2   2   2   2   3   2   1   2   1   4   1   1   1
  1   2   2   5   2   1   4   2   1   1   2   1   1   1   1   1   1

STUDENT NO.  15
  3   4   4   2   2   2   4   4   4   5   4   2   5   2   3   4   2   3   3   2   2   2   4   1
  2   2   3   2   1   2   4   4   3   3   2   2   2   2   2   3   2   2   3   3   3   2   2   2
  2   3   2   2   3   3   2   2   2   2   2   3   2   2   2   3   2   2   2   2   2   1   2   2
  1   3   3   2   2   3   2   2   4   3   1   2   2   1   2   1   4

STUDENT NO.  16
  5   5   3   3   1   1   5   1   1   5   3   1   3   3   3   2   1   3   5   3   3   3   3   3
  3   2   3   2   2   2   3   1   2   1   2   4   1   2   2   3   3   3   3   3   4   3   3   2
  1   3   3   3   5   2   2   3   2   3   1   3   3   3   2   3   3   3   4   1   3   2   2   3
  2   3   3   2   3   3   2   3   3   3   1   1   2   2   1   1   2

STUDENT NO.  17
  3   4   2   2   1   1   5   3   2   5   3   1   4   1   2   2   3   2   4   3   3   1   3   4
  4   3   2   1   2   3   5   1   1   3   2   3   3   1   2   1   1   3   1   1   2   1   1   2
  2   2   2   2   2   3   3   3   3   3   3   3   2   2   3   3   2   3   4   2   3   2   3   4
  2   3   4   3   2   3   3   2   3   3   2   1   2   2   1   1   2

STUDENT NO.  18
  3   5   1   2   1   1   5   2   1   4   2   1   5   5   1   3   1   1   5   2   3   3   3   2
  1   2   3   1   1   1   4   3   2   2   3   2   2   2   3   3   3   2   2   4   1   3   2
  2   1   2   2   4   3   3   3   2   1   1   1   1   2   1   3   1   1   3   1   1   2   3   3
  1   2   2   2   2   2   1   3   2   5   1   1   1   1   1   1   2

STUDENT NO.  19
  1   5   3   3   1   1   5   3   1   5   5   1   5   1   1   1   3   1   5   1   1   5   3   2
  3   3   2   1   1   1   5   1   3   1   1   1   1   1   1   1   1   1   5   3   1   1   5   1
  1   1   1   1   1   1   5   1   1   1   1   1   1   1   1   1   1   5   1   1   1   1   1
  1   1   1   1   1   2   1   1   1   3   1   1   1   1   1   1   1

STUDENT NO.  20
  3   4   4   3   2   2   4   3   3   3   3   2   4   2   2   2   2   2   5   3   2   3   3   2
  1   1   4   1   1   1   5   4   1   4   3   1   3   1   2   2   2   2   4   3   2   2   2   2
  2   3   3   2   3   2   3   2   2   4   3   3   2   2   3   3   1   2   5   1   2   1   2   3
  1   2   4   3   3   4   1   3   4   4   3   2   2   2   2   2   3
```

STUDENT NO. 21
```
4 5 1 5 1 1 5 2 2 5 5 2 5 5 1 1 3 1 5 2 2 5 2 3
1 1 4 1 1 1 3 2 2 3 4 2 2 1 3 3 2 2 5 5 1 1 5 2
1 4 2 1 5 2 2 4 1 4 1 3 3 2 2 3 2 2 3 1 3 1 1 1
1 2 3 3 2 1 2 2 1 2 1 1 1 3 1 1 1
```

STUDENT NO. 22
```
3 4 3 2 2 3 3 3 3 2 1 3 1 1 3 1 5 1 2 2 4 1 1 5
2 5 3 2 2 2 1 1 5 3 2 2 1 2 2 2 3 2 3 2 3 3 2 3
3 2 3 2 2 3 3 3 3 1 3 3 2 2 3 2 3 3 1 2 3 3 3 3
1 2 2 3 2 1 4 2 1 1 1 2 2 1 2 3 3
```

STUDENT NO. 23
```
5 1 5 1 3 5 3 3 5 5 1 1 3 1 3 1 5 1 1 1 1 1 1 1
1 5 3 1 1 1 1 3 1 3 3 2 2 3 2 1 2 2 4 2 1 2 2 1
2 2 3 1 3 5 2 3 2 2 2 1 1 1 1 2 3 2 2 1 1 1 1 1
1 2 3 2 2 2 1 1 1 1 1 1 1 1 1 1 3 1
```

STUDENT NO. 24
```
5 5 2 3 1 1 5 2 2 4 2 2 5 5 2 2 2 2 5 2 2 2 3 2
2 2 2 2 2 1 2 4 2 3 3 2 1 2 3 3 2 3 2 4 4 4 4 2
2 4 3 3 5 2 3 3 2 2 2 3 2 3 3 3 3 2 2 2 2 2 2 2
1 4 3 2 2 3 1 2 3 2 1 1 1 1 1 1 2
```

STUDENT NO. 25
```
5 5 1 3 1 1 5 2 1 4 3 3 3 3 1 2 1 2 5 3 3 3 3 1
1 1 2 1 2 1 3 2 1 1 2 1 3 2 2 3 2 3 3 3 3 2 3 2
2 2 2 2 3 2 2 3 2 5 2 4 3 3 2 2 2 1 2 1 3 1 1 1
1 1 2 2 5 5 1 5 5 2 2 1 1 1 1 1 3
```

STUDENT NO. 26
```
5 5 1 3 1 1 5 1 1 5 1 1 5 1 1 1 1 1 5 3 1 1 1 1
5 2 2 1 1 2 3 3 2 3 3 2 1 1 2 3 1 2 3 2 2 2 3 1
2 2 3 5 1 3 1 3 2 3 1 5 1 3 1 5 3 3 1 1 5 2 3 1
1 5 3 3 1 1 1 5 5 1 1 1 1 1 1 1 1
```

STUDENT NO. 27
```
3 5 2 5 1 1 5 3 3 5 3 2 5 5 2 2 1 1 5 2 3 5 3 1
1 3 5 1 1 1 4 4 3 4 2 2 4 3 3 1 2 3 2 2 4 2 5 1
1 3 3 1 5 3 3 4 1 1 1 1 1 2 1 1 1 3 2 2 2 1 3 2
3 2 3 4 2 2 2 1 1 1 1 1 1 1 1 1 3
```

STUDENT NO. 28
```
3 2 1 3 1 1 5 2 2 5 2 1 5 2 2 1 2 1 5 2 2 3 3 3
2 2 2 1 2 1 1 4 2 3 3 2 2 2 2 2 3 2 2 3 3 3 3 2
3 2 3 2 4 4 3 3 1 2 2 2 2 2 2 1 2 2 2 3 2 3 2
2 4 3 2 2 2 2 1 2 1 2 1 1 1 1 1 2
```

STUDENT NO. 29
```
4 4 4 4 2 2 4 2 3 3 4 4 3 2 3 2 1 3 5 2 2 2 3 2
1 2 3 1 1 1 4 3 3 3 4 2 3 2 2 2 3 3 4 2 2 2 4 3
2 3 4 3 4 4 3 3 2 2 2 1 2 2 2 3 3 2 1 1 2 1 2 2
1 3 3 3 1 1 3 1 2 2 2 1 3 1 2 1 4
```

STUDENT NO. 30
```
4 4 2 3 2 1 5 2 2 5 4 2 2 2 2 3 2 2 4 2 2 4 2 3
2 2 3 1 2 1 4 3 2 2 4 2 3 1 1 3 2 2 2 2 2 2 5 3
2 2 2 2 3 5 1 2 2 2 2 4 3 2 2 2 1 1 2 2 2 1 1 1
1 1 2 1 4 4 1 2 4 1 1 1 1 1 1 1 2
```

STUDENT NO. 31
```
5  2  2  2 -1  5  2  2  1  1  2  1  3  3  2  2  2  2  3  3  2  2  3  2
2  3  3  3  2  2  5  1  3  3  3  2  5  2  2  3  2  3  1  3  3  3  1  3
3' 2  3  3  5  5  3  3  2  3  2  3  3  3  3  3  2  2  2  2  1  2  2  2
2  4  3  2  5  5  1  3  4  5  2  1  1  1  2  2  2
```

STUDENT NO. 32
```
3  5  2  4  2  2  5  3  2  5  2  3  4  3  2  3  3  2  5  3  3  2  2  2
2  4  3  2  2  2  4  3  2  4  2  2  2  2  3  3  2  2  4  2  4  2  2  2
4  3  4  3  5  5  2  3  2  2  2  2  3  2  2  2  3  2  3  2  3  4  1  3  3
2  5  2  2  3  3  3  3  2  2  2  1  2  2  2  2  2
```

STUDENT NO. 33
```
3  5  1  3  1  1  5  1  1  5  4  1  3  2  1  2  3  1  5  1  1  1  1  5
1  1  1  1  5  1  5  5  1  1  5  1  4  1  1  1  1  1  2  4  5  1  5  2
2  1  1  2  3  4  2  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  1  1
1  3  3  1  3  5  2  1  4  1  1  1  1  1  3  2  5
```

STUDENT NO. 34
```
5  5  1  3  1  1  5  1  2  5  2  1  5  5  2  1  1  1  5  1  2  3  2  3
2  2  3  1  2  1  3  1  2  2  4  2  2  2  2  4  3  3  4  5  5  3  4  1
2  3  2  3  5  4  2  3  2  1  2  3  2  2  2  3  3  2  2  1  3  2  2  2
1  3  3  3  1  5  1  5  5  2  1  1  1  1  1  1  2
```

STUDENT NO. 35
```
3  4  4  4  2  2  5  3  2  5  1  4  3  2  3  4  2  3  2  4  4  2  3  2
3  3  3  3  2  3  5  3  3  3  3  3  3  3  3  3  3  4  5  5  4  4  1  4
3  3  4  3  5  3  3  3  3  2  3  2  3  3  3  3  2  3  5  3  4  2  3  5
2  4  3  5  3  3  4  4  4  3  3  2  3  2  2  3  5
```

STUDENT NO. 36
```
2  5  3  4  1  1  5  2  2  5  2  1  3  1  1  5  1  1  5  1  1  3  1  5
1  1  5  1  1  1  5  5  1  1  5  1  3  1  1  5  1  5  5  2  5  1  5  1
1  1  1  1  3  5  1  5  1  1  1  5  2  1  3  1  1  4  5  1  5  1  3  1
1  2  5  2  2  1  1  3  5  3  1  1  1  2  1  1  2
```

STUDENT NO. 37
```
1  5  1  1  1  1  5  2  2  5  2  1  3  1  1  1  1  1  5  5  1  3  1  5
1  1  4  1  1  1  3  5  1  1  5  1  3  1  1  5  3  2  5  2  5  1  5  1
1  1  1  1  3  1  5  5  1  1  1  5  2  1  3  1  1  4  3  1  5  1  3  1
1  2  5  2  2  1  1  3  5  3  1  1  1  2  1  1  2
```

STUDENT NO. 38
```
1  5  3  3  1  1  5  2  2  5  3  1  1  5  2  1  1  1  5  1  3  1  1  1
2  2  5  1  2  1  1  2  1  3  1  1  2  1  1  3  3  3  3  3  3  1  5  5
3  3  5  3  3  4  1  3  2  1  1  2  3  3  2  3  1  2  5  3  5  1  3  5
1  5  3  3  1  1  5  1  3  1  1  1  1  1  1  1  3
```

STUDENT NO. 39
```
3  5  1  1  1  1  5  1  1  5  4  1  3  4  4  1  1  1  5  1  1  1  3  3
1  2  4  1  1  1  3  3  2  3  4  1  3  1  2  2  1  3  2  3  1  2  3  1
1  1  2  3  5  3  1  2  3  3  1  1  2  3  3  2  1  1  1  1  1  1  1  1
1  1  3  2  2  2  1  1  1  1  1  1  1  1  1  1  3
```

STUDENT NO. 40
```
3  5  3  4  1  1  5  3  3  5  2  2  2  5  1  2  1  1  5  1  2  1  5  1
1  2  5  1  1  1  5  1  1  3  2  3  5  2  2  4  3  2  5  5  1  2  1  5
3  5  2  5  3  5  3  5  1  2  2  1  2  3  3  3  1  2  3  1  5  1  5  5
1  5  1  1  4  5  1  5  5  5  1  1  1  1  1  1  1
```

```
STUDENT NO. 41
2  5  4  3  1  1  5  3  2  3  4  5  4  5  2  2  1  2  5  3  4  1  2  3
1  2  3  1  3  1  5  2  2  2  2  2  2  2  3  3  3  1  4  3  4  2  4  5
3  3  2  3  3  4  2  3  2  2  2  2  1  3  2  3  2  3  4  1  5  1  2  2
1  5  5  2  2  4  3  2  5  2  2  1  1  1  1  2  3

STUDENT NO. 42
2  4  4  3  1  1  5  1  2  5  3  3  2  1  1  1  1  1  5  3  1  1  1  1
1  1  3  1  1  1  5  2  3  2  2  1  1  1  1  3  1  1  3  3  1  1  2  1
1  3  2  5  3  2  1  3  1  1  1  5  1  2  1  1  1  2  2  1  2  1  2  2
1  3  2  2  4  5  1  4  5  3  2  1  1  1  1  1  1

STUDENT NO. 43
1  5  3  3  1  1  5  2  2  5  3  1  1  5  2  1  1  1  5  3  3  1  1  1
2  2  5  1  1  1  1  3  2  3  4  1  1  1  1  3  5  3  2  2  5  2  5  1
4  3  4  3  5  4  2  3  2  1  1  1  1  1  1  3  1  1  4  4  3  1  4  4
1  5  3  3  1  1  5  1  3  2  1  1  1  1  1  1  3

STUDENT NO. 44
3  5  2  4  1  2  5  2  3  5  2  2  3  5  1  3  1  1  5  2  2  1  4  1
1  2  5  1  1  2  5  1  2  3  2  3  5  2  2  3  3  2  4  4  1  2  2  5
3  5  2  5  3  5  2  5  1  2  2  1  2  3  4  3  1  3  3  1  4  1  5  5
1  5  2  1  2  5  4  5  5  1  1  1  1  1  3  1  1

STUDENT NO. 45
2  5  2  1  1  2  5  1  2  4  1  1  3  1  2  1  4  1  4  3  5  4  3  2
1  2  5  3  3  1  5  1  3  3  2  2  2  2  3  2  1  2  3  4  5  3  5  3
3  1  1  2  4  2  1  3  2  2  2  1  2  2  3  2  1  2  1  3  5  1  2  5
1  4  5  1  5  1  4  4  1  3  3  1  1  1  1  1  1

STUDENT NO. 46
1  5  1  1  1  1  5  1  1  4  4  2  5  4  1  1  1  1  5  2  2  1  1  1
1  1  5  1  1  1  5  5  1  3  1  1  5  1  1  3  2  1  1  1  1  1  5  1
2  1  1  1  3  1  1  1  1  2  1  5  1  1  5  2  1  2  2  1  1  1  4  4
1  3  5  4  1  1  4  1  1  1  1  1  2  1  1  3  1

STUDENT NO. 47
4  5  1  3  1  2  5  3  2  4  5  2  3  2  1  2  2  2  5  2  3  2  2  3
1  2  3  4  3  3  5  4  2  3  3  2  4  2  2  2  3  2  4  3  3  2  3  3
2  3  2  2  4  3  2  3  3  2  3  2  2  3  3  2  1  2  2  2  2  1  3  3
2  3  3  3  4  5  2  3  5  5  1  1  2  2  2  1  2

STUDENT NO. 48
5  3  2  4  1  1  5  2  2  2  1  2  4  2  1  2  1  2  5  1  2  2  2  1
1  1  5  1  4  1  4  3  2  2  2  1  2  1  2  3  2  2  4  3  2  1  5  3
2  1  2  1  4  2  1  3  1  1  3  4  2  2  1  2  1  2  4  1  1  1  1  2
1  1  1  4  2  1  2  2  1  2  1  2  2  1  1  1  3

STUDENT NO. 49
2  5  1  1  1  1  5  1  1  5  5  2  5  3  1  1  1  1  5  1  2  3  1  1
1  1  1  1  1  1  5  1  1  3  2  2  3  5  2  5  3  2  3  4  2  1  5  3
2  1  2  1  4  2  1  3  2  1  1  1  1  1  1  1  1  2  2  1  2  1  4  3
1  4  1  2  2  3  1  2  4  3  1  1  1  1  1  1  1

STUDENT NO. 50
2  5  1  3  2  2  5  3  2  3  1  2  3  5  3  2  2  1  5  1  1  3  2  1
1  2  1  1  1  2  1  3  3  3  3  1  1  2  1  2  3  3  3  2  2  3  4  3
2  2  1  2  2  2  2  3  2  1  2  1  2  3  2  2  1  2  1  1  2  1  1  1
1  1  2  2  1  1  1  4  5  1  2  1  1  1  1  1  3
```

```
STUDENT NO. 51
3  5  4  3  1  1  4  4  3  1  2  1  4  2  3  4  1  1  3  4  3  1  2  1
1  2  3  1  1  1  1  2  3  1  4  1  1  1  1  1  2  1  3  3  5  1  5  1
2. 3  3  2  4  3  1  4  1  1  1  3  3  2  2  3  1  5  5  1  2  1  5  5
1  2  4  3  5  1  1  4  1  4  1  1  1  1  1  1  1  3

STUDENT NO. 52
3  5  2  3  1  2  5  1  2  5  3  2  5  3  3  1  3  2  5  1  3  3  3  2
2  3  3  1  1  1  5  3  3  3  4  2  2  2  3  2  1  2  3  3  3  1  5  1
2  3  2  1  5  2  3  3  2  2  2  3  1  1  3  3  2  5  5  1  4  2  4  4
1  4  3  3  2  4  1  3  5  1  1  1  1  1  1  1  1

STUDENT NO. 53
2  4  3  5  2  2  4  5  3  5  4  2  1  3  2  2  3  2  5  4  3  2  3  4
2  2  4  1  1  2  4  3  2  4  2  2  4  1  2  5  3  3  5  4  3  4  2  3
3  3  4  2  5  4  2  2  2  2  3  5  2  3  3  1  3  4  3  2  3  3  4  2
1  5  3  3  3  3  1  2  2  3  1  1  1  1  2  2  3

STUDENT NO. 54
5  4  4  5  1  2  5  2  2  4  3  3  4  3  2  2  2  2  4  3  3  2  2  1
1  3  2  1  1  1  4  3  3  3  3  2  2  3  3  3  2  2  3  2  2  2  4  2
2  2  2  3  3  3  2  3  2  3  1  1  1  1  1  2  2  2  2  2  2  1  2  2
1  2  2  4  2  1  1  1  1  2  1  1  1  1  1  1  1

STUDENT NO. 55
3  5  5  5  1  2  4  4  4  4  4  2  4  3  1  3  2  1  5  4  1  3  3  1
1  2  3  1  4  1  5  5  3  3  2  2  4  2  2  5  2  2  3  3  4  2  2  3
2  2  2  2  3  3  2  0  2  1  2  2  2  2  2  2  1  3  5  2  5  1  3  4
1  5  3  4  4  4  2  2  3  3  3  1  1  1  1  1  3

STUDENT NO. 56
4  4  4  3  2  1  5  2  3  4  4  4  5  4  1  1  1  2  5  3  2  3  3  3
1  2  4  3  3  2  5  4  1  2  3  3  1  1  2  5  3  3  2  3  3  3  3  3
1  2  5  2  4  5  5  3  3  3  1  1  3  1  3  3  1  4  5  1  5  1  5  5
1  5  1  1  3  4  1  4  5  3  3  1  3  1  2  1  2

STUDENT NO. 57
4  5  1  4  1  1  5  1  1  5  4  4  3  2  2  1  1  3  5  2  4  1  3  2
1  2  3  1  1  1  4  4  1  2  2  4  3  2  2  3  2  3  3  4  4  3  4  3
2  3  4  2  4  2  2  4  4  1  1  1  1  3  1  1  1  3  3  1  2  1  3  2
1  3  3  2  1  1  2  1  1  5  2  1  1  1  1  1  1

STUDENT NO. 58
4  5  5  3  2  1  5  2  2  5  4  5  4  2  2  2  1  1  5  1  5  1  1  1
1  1  3  1  1  1  5  3  2  4  5  2  5  1  3  5  5  5  2  5  5  5  5  3
2  4  4  1  5  5  5  5  1  1  1  1  1  1  1  1  2  4  5  1  4  1  4  5
2  5  3  4  4  4  2  1  1  1  1  1  1  1  1  1  1

STUDENT NO. 59
1  5  3  1  1  1  5  2  1  5  1  1  5  3  1  1  1  1  5  1  3  1  1  1
1  1  3  1  1  1  3  3  2  3  1  1  5  1  1  2  3  2  3  1  1  1  1  3
1  2  1  2  3  3  1  3  1  3  3  1  3  3  1  3  1  1  3  1  2  1  2  3
1  3  3  1  1  3  3  3  3  3  2  1  3  1  3  1  3

STUDENT NO. 60
1  5  5  1  1  1  5  2  1  5  1  1  5  5  2  1  1  1  5  1  1  1  1  1
1  2  3  1  1  1  4  2  1  3  1  1  5  2  1  3  1  2  4  3  1  2  5  1
3  1  5  2  5  3  1  3  1  3  1  1  1  3  1  1  1  2  2  1  3  1  1  1
1  5  3  1  2  5  1  3  5  5  1  1  1  1  1  1  1
```

```
STUDENT NO. 61
2  4  5  5  2  2  4  4  5  2  1  3  2  1  4  2  1  1  5  5  3  4  5  1
1  5  3  1  1  1  5  4  4  3  3  1  3  2  3  5  4  5  2  3  5  5  1  4
5  4  3  2  5  4  1  5  3  1  1  1  1  3  1  3  1  5  5  2  5  1  2  2
1  5  3  1  1  1  3  4  4  1  2  1  1  1  1  1  3

STUDENT NO. 62
2  4  2  2  1  2  5  1  2  2  1  1  4  3  2  1  2  2  5  4  1  1  1  1
1  2  5  1  1  1  5  3  3  3  2  2  3  2  3  3  3  3  5  3  2  3  3  3
3  3  3  3  4  3  3  4  3  3  3  3  3  3  3  3  3  3  3  3  5  2  2  2
2  5  3  3  3  3  1  2  3  5  1  1  2  2  2  2  4

STUDENT NO. 63
3  3  3  3  3  3  5  2  4  5  5  2  1  3  3  3  3  3  3  3  1  5  1  1
1  5  5  3  3  3  3  3  3  3  5  5  1  5  1  5  1  3  3  3  3  3  3  3
3  1  1  1  5  1  1  3  3  3  3  3  3  3  3  3  1  5  3  1  1  3  3  3
3  3  3  3  1  1  5  1  1  1  3  3  3  3  3  3  1

STUDENT NO. 64
5  3  4  3  2  2  4  3  3  4  3  2  4  3  2  1  2  2  5  1  3  3  4  1
1  4  4  1  1  1  5  1  4  4  2  3  4  3  3  3  3  3  4  3  3  2  2  2
4  4  3  4  5  3  2  4  3  3  4  4  2  3  3  2  2  3  2  2  4  1  2  1
1  4  3  1  2  3  2  3  4  2  1  1  2  1  1  1  4

STUDENT NO. 65
5  5  2  3  1  2  5  2  2  5  4  4  5  5  1  1  2  3  5  1  2  3  3  1
1  4  5  1  1  1  5  3  4  3  4  2  4  2  3  3  3  2  4  5  1  2  1  3
2  2  4  5  2  3  4  2  2  1  2  2  4  2  1  2  1  3  2  1  5  1  3  4
2  4  3  3  2  2  3  2  2  1  3  2  2  1  1  1  4

STUDENT NO. 66
3  5  1  2  1  1  5  1  1  5  5  1  5  2  1  1  1  1  5  1  2  1  1  1
1  3  3  1  1  1  3  1  1  3  4  1  1  1  5  3  1  1  1  1  2  1  3  3
1  3  3  3  3  1  2  4  1  1  1  1  1  3  1  2  1  1  2  1  3  1  1  2
1  2  2  3  1  1  2  3  1  1  1  1  1  1  1  1  1

STUDENT NO. 67
3  5  2  2  1  1  5  2  1  5  4  2  4  4  2  2  3  2  5  4  2  3  3  2
3  2  4  1  2  2  5  3  2  5  2  1  3  1  2  3  3  2  3  4  2  3  4  3
1  2  2  4  3  3  1  3  2  2  2  4  2  3  3  3  1  2  2  2  2  1  3  2
2  2  2  2  3  3  2  3  4  1  2  1  2  1  2  3  3

STUDENT NO. 68
3  5  2  3  1  1  5  1  1  5  4  3  5  2  1  1  1  1  5  1  1  1  1  1
1  3  2  1  1  1  1  1  5  5  1  5  1  1  3  5  5  5  3  1  1  1  5  1
1  1  1  1  5  1  1  4  1  1  1  1  1  1  1  1  1  1  1  1  5  1  1  1
1  1  1  3  1  1  1  3  1  5  1  1  1  1  1  1  1

STUDENT NO. 69
3  4  3  4  2  2  3  2  3  4  1  1  4  1  4  2  2  4  5  1  3  5  3  1
1  5  3  1  1  1  4  4  3  1  4  3  5  3  2  3  3  1  5  3  2  3  2  1
4  2  3  2  5  3  3  3  2  1  1  4  1  1  4  2  2  3  3  1  4  1  2  2
1  3  3  3  2  2  2  2  2  3  1  2  2  1  1  1  2

STUDENT NO. 70
3  5  2  3  1  1  4  2  2  5  5  2  5  5  2  1  1  2  5  1  2  2  2  2
1  2  2  1  1  1  4  3  3  3  2  4  2  4  3  2  2  2  4  2  5  1  4  2
2  4  4  4  4  4  2  4  4  3  2  4  2  3  2  2  2  3  3  2  4  2  3  2
1  3  2  1  2  2  1  2  2  2  2  1  1  1  1  1  1
```

```
STUDENT NO. 71
3 3 3 3 5 5 1 5 5 5 1 5 3 1 5 5 5 3 1 2 1 1 1 1
2 2 3 2 2 1 5 5 2 3 3 5 1 2 2 2 5 5 1 2 5 2 1 2
4 2 5 3 5 5 2 2 2 2 2 2 2 2 5 2 5 5 5 5 5 5 5 5 5
5 5 5 5 4 2 2 4 5 3 2 4 2 2 5 3 3

STUDENT NO. 72
3 5 2 2 1 1 5 3 3 5 2 2 1 2 2 2 2 2 4 2 2 2 3 3
1 1 2 3 3 1 2 2 1 2 2 2 2 2 2 2 2 3 3 3 2 3 4 1
2 2 2 3 3 2 1 3 2 1 2 1 1 1 5 3 3 2 1 1 2 2 2 2
1 4 3 2 2 2 3 2 2 1 3 1 2 1 1 1 2

STUDENT NO. 73
2 5 4 4 1 1 4 2 2 4 2 3 4 4 2 2 2 2 4 4 2 3 3 3
3 2 4 2 2 2 4 4 2 3 2 2 2 2 2 3 2 3 4 3 2 2 2 2
2 3 3 2 5 2 2 2 2 2 2 3 2 2 2 2 3 5 5 1 1 3 4 4
2 3 3 2 3 3 2 3 4 3 4 2 2 2 2 2 4

STUDENT NO. 74
3 4 2 2 2 2 4 2 2 4 2 2 3 2 3 1 1 1 5 1 1 1 2 1
1 2 3 1 1 3 5 4 2 4 3 2 2 1 1 4 2 2 2 3 2 1 3 2
2 3 4 2 2 2 1 3 2 1 2 1 3 3 2 3 1 2 5 1 1 1 1 1
1 1 3 3 3 3 2 2 2 2 2 1 2 1 2 1 2

STUDENT NO. 75
3 4 3 4 2 2 4 3 3 5 3 2 2 1 2 3 2 3 5 3 2 1 3 1
1 2 2 1 1 1 3 3 2 3 2 3 1 1 2 3 3 2 2 2 2 2 3 3
2 3 3 2 2 2 2 3 2 1 1 3 2 2 3 3 2 2 2 2 1 2 2 3
2 2 3 2 2 2 1 2 2 2 2 1 1 1 1 2 2

STUDENT NO. 76
2 5 2 2 1 2 4 2 2 5 5 1 1 1 1 1 1 1 5 1 3 4 1 1
1 2 2 1 1 1 5 4 2 4 3 3 3 2 2 2 4 3 4 3 2 3 1 2
4 4 4 4 5 3 1 3 2 2 1 1 1 2 2 2 2 2 5 4 1 1 2 2
2 2 1 2 3 4 1 2 2 3 2 1 1 1 1 1 1

STUDENT NO. 77
5 5 2 3 1 1 5 2 1 5 1 1 4 5 1 3 1 3 5 1 2 5 3 3
2 2 2 1 2 2 5 5 3 3 3 2 2 2 3 3 3 2 3 3 2 2 4 2
2 5 2 3 2 3 2 2 2 2 2 4 2 3 2 3 2 2 2 2 3 3 2 2
1 4 2 3 2 4 2 4 5 3 3 4 2 1 2 1 2

STUDENT NO. 78
5 5 1 1 1 1 5 1 1 5 3 1 4 3 1 1 2 1 5 3 1 3 3 1
1 1 3 1 1 1 5 3 2 1 5 3 3 1 1 3 4 5 3 3 5 1 1 1
4 3 4 1 5 1 1 3 1 1 1 1 1 3 1 1 1 4 4 1 2 1 5 5
1 2 3 5 5 1 1 5 1 5 1 1 1 1 1 1 1

STUDENT NO. 79
5 4 1 1 5 5 3 1 3 5 1 1 5 1 4 1 4 4 5 2 3 3 3 1
1 5 3 1 1 3 5 5 1 4 4 2 5 2 2 3 3 3 5 3 4 3 1 5
4 5 4 5 5 1 2 1 2 5 3 3 5 1 1 5 2 5 5 1 1 1 1 5
1 4 3 3 4 2 1 2 1 1 1 1 5 1 1 1 4

STUDENT NO. 80
3 4 4 4 4 5 3 4 4 2 4 5 5 1 2 1 1 1 5 1 1 3 3 2
1 3 2 1 1 2 1 3 1 2 2 2 2 2 3 2 3 3 2 5 3 3 5 3
3 2 2 3 1 4 2 3 2 2 2 2 2 1 2 2 1 4 3 1 1 1 3 2
1 1 1 3 1 4 3 3 3 1 3 1 3 2 2 3 2
```

```
STUDENT NO. 81
5  4  2  3  1  1  1  2  1  5  3  2  4  2  2  3  2  1  5  1  2  3  3  1
1  2  2  2  2  2  4  2  3  3  4  2  3  2  2  4  3  2  3  4  2  3  4  2
2  3  2  3  2  2  2  2  2  2  2  3  2  3  2  2  1  1  2  1  2  1  1  3
1  2  2  2  2  1  2  2  1  1  1  1  1  1  2  1  1

STUDENT NO. 82
5  5  1  1  1  1  5  1  1  3  5  3  5  2  1  1  1  1  5  2  3  3  3  1
1  3  5  1  2  1  4  4  3  2  1  1  5  1  1  3  3  1  1  5  2  3  4  2
1  2  2  1  5  3  2  2  2  2  2  3  2  2  2  1  2  3  4  2  1  1  1  1
1  3  2  4  4  1  3  1  2  1  1  1  1  1  1  1  1  1

STUDENT NO. 83
3  5  1  2  1  1  5  1  1  5  2  3  5  5  5  1  2  3  5  5  1  2  2  3
1  1  2  1  1  1  5  1  1  1  3  1  2  1  1  3  5  5  3  1  5  1  1  1
1  3  1  1  5  1  1  5  1  3  4  3  1  2  1  4  1  5  5  5  1  1  1  5
1  5  2  1  3  1  2  1  5  3  1  1  1  1  1  1  1

STUDENT NO. 84
5  4  5  2  3  2  3  3  3  2  1  2  1  1  1  1  1  3  5  4  4  1  1  2
3  1  3  1  2  1  3  4  1  3  4  4  4  1  1  3  3  3  3  3  3  1  2  5
2  3  4  2  2  2  4  4  2  3  3  3  2  3  2  2  2  2  3  2  1  1  1  1
1  1  3  1  5  5  1  5  5  3  1  1  1  1  1  2  1

STUDENT NO. 85
3  2  4  4  4  3  2  3  4  3  1  4  3  1  4  3  5  1  3  2  3  1  3  2
3  4  5  3  3  3  5  5  2  4  4  4  5  4  3  3  3  4  2  3  2  5  4  1
2  3  3  3  4  2  3  4  2  3  3  2  2  3  4  3  5  4  3  4  1  2  3  3
1  2  3  2  4  3  2  1  3  2  2  1  1  1  1  1  2

STUDENT NO. 86
4  4  5  3  2  3  4  1  2  2  1  4  3  1  3  2  5  1  5  3  5  1  3  1
1  4  5  3  2  1  5  5  4  3  3  3  5  2  3  2  3  3  3  4  4  4  1  5
5  2  3  1  5  3  3  3  2  3  3  1  5  3  2  3  2  5  4  2  4  1  3  3
1  5  3  4  5  2  1  4  5  3  3  2  1  1  1  1  5

STUDENT NO. 87
3  3  3  3  3  3  4  3  2  3  1  2  3  4  2  1  2  2  5  3  4  2  3  2
2  2  3  1  1  1  3  2  2  2  2  1  2  1  3  2  2  3  4  5  2  2  2  3
3  2  2  3  5  3  3  3  3  2  3  1  2  2  3  3  2  1  3  1  2  2  2  2
1  2  2  2  2  2  2  2  1  1  2  1  2  1  1  1  3

STUDENT NO. 88
2  4  2  3  1  1  4  1  2  5  3  1  4  1  2  1  1  3  5  2  2  2  3  3
1  3  4  3  4  1  5  3  3  5  4  1  3  1  1  3  3  3  4  3  4  2  5  3
2  4  2  2  1  3  2  4  1  3  2  1  1  2  2  3  2  1  3  2  2  1  1  1
1  2  3  3  3  3  2  2  2  2  1  1  1  1  1  1  3

STUDENT NO. 89
2  5  2  2  2  2  4  2  3  4  3  3  3  2  2  2  2  1  5  2  2  2  3  2
2  2  3  2  2  1  4  2  3  2  3  3  2  2  3  2  2  3  2  3  2  2  2  2
4  4  3  4  3  2  3  3  2  2  2  2  2  2  2  1  3  3  2  2  1  3  2
1  3  2  3  1  3  2  2  3  1  1  1  1  1  2  2  1

STUDENT NO. 90
3  2  4  3  2  3  4  3  3  3  2  1  3  1  3  1  3  2  3  3  2  1  1  1
1  3  5  1  3  1  5  4  5  5  1  4  2  5  3  3  3  4  3  3  4  2  5  5
3  3  4  3  5  3  2  3  3  2  2  2  2  3  3  3  5  2  1  3  2  1  2  2
1  2  3  2  3  3  2  3  4  2  2  1  1  1  1  1  2
```

STUDENT NO. 91
```
2  4  2  3  1  1  5  4  3  5  2  2  4  2  2  3  2  1  5  2  2  3  3  1
1  2  3  2  1  1  4  4  2  2  3  2  4  2  3  3  3  3  4  3  2  4  2  2
4  4  3  2  5  3  2  3  2  3  2  3  3  3  2  3  2  5  5  1  2  1  4  4
1  1  3  3  3  2  3  3  3  3  3  3  3  3  3  3  3
```

STUDENT NO. 92
```
5  5  3  3  1  1  5  2  2  5  2  2  3  5  1  3  3  3  5  2  1  3  3  1
2  2  2  1  2  1  5  4  2  3  3  2  3  2  2  4  3  2  4  4  2  4  5  1
1  5  2  2  4  3  3  3  2  3  3  3  2  2  3  3  1  3  3  1  2  2  2  2
1  3  3  3  3  3  2  3  2  2  1  1  1  1  1  1  1
```

STUDENT NO. 93
```
4  4  5  3  2  2  4  5  5  1  1  4  3  1  4  2  5  2  5  3  5  1  3  1
2  3  4  2  2  3  4  5  5  3  3  3  5  2  3  3  3  3  3  4  5  2  1  5
4  3  5  1  4  4  3  3  2  3  3  1  4  3  2  3  2  5  4  2  4  1  4  5
2  5  3  4  5  2  1  4  5  3  3  1  1  1  2  1  5
```

STUDENT NO. 94
```
2  4  3  3  1  2  4  2  2  4  3  2  3  1  3  3  3  3  4  5  1  4  3  2
2  3  3  2  2  2  4  4  5  1  3  3  3  2  2  3  3  2  3  3  4  2  1  5
1  3  2  2  2  5  5  3  2  2  2  5  3  3  3  3  5  3  2  1  1  2  4  4
1  3  2  3  3  3  1  1  1  1  1  1  1  1  2  1  1
```

RESPONSES - CRAFT STUDENTS OVER 18 YEARS OF AGE

STUDENT NO. 1
```
3 4 2 5 3 3 5 3 2 5 1 3 2 5 1 3 2 3 5 1 2 2 1 3
3 3 3 1 2 1 4 3 4 3 3 3 4 2 1 3 3 3 4 4 4 2 4 2
2 4 1 3 2 4 3 3 1 2 3 4 2 3 4 2 1 3 2 3 4 1 1 2
1 4 1 3 2 3 3 3 3 2 1 1 1 1 1 2 3
```

STUDENT NO. 2
```
1 5 1 3 1 1 5 1 1 1 4 1 5 5 2 4 1 2 3 5 3 3 3 1
1 3 4 1 1 1 3 5 3 2 3 1 2 5 1 5 3 2 3 5 5 5 5 3
5 1 5 1 5 3 5 5 3 3 1 1 1 1 1 1 5 5 5 1 1 1 5 5
1 1 5 5 5 5 3 3 5 4 1 1 3 1 3 1 1
```

STUDENT NO. 3
```
3 2 1 1 1 2 3 3 2 3 5 3 2 1 2 1 1 1 5 1 1 1 1 1
2 5 3 1 1 1 5 5 1 3 3 3 1 5 4 1 3 3 1 1 1 1 1 1
5 1 5 1 5 5 5 1 1 1 1 1 1 1 1 1 1 1 5 1 3 1 1 2
1 5 1 4 1 1 1 5 1 1 1 1 1 1 1 1 1
```

STUDENT NO. 4
```
3 3 4 3 2 2 3 3 3 4 2 2 1 2 2 2 2 3 4 3 1 2 2 3
2 3 4 2 2 1 4 1 3 3 2 4 2 3 3 5 4 3 3 4 1 1 5 3
2 2 3 5 1 5 3 4 1 1 2 3 2 3 2 2 1 2 2 1 3 1 3 3
1 4 2 4 2 3 3 3 3 3 2 1 1 2 1 1 5
```

STUDENT NO. 5
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5 5 1 4 1 1 5 1 1 5 4 1 4 4 1 4 1 1 5 1 3 3 3 1
1 1 3 1 1 1 5 5 1 1 3 3 1 1 1 3 2 1 3 3 1 2 4 1
1 1 1 3 2 4 2 3 3 1 1 1 1 3 1 1 1 1 3 1 3 1 1 1
1 3 1 1 4 4 2 2 2 1 1 1 1 1 1 1 3
```

STUDENT NO. 6
```
3 5 1 3 1 1 5 1 2 5 2 2 4 5 2 4 2 1 5 3 1 2 4 1
1 3 2 1 1 2 4 4 3 3 4 4 2 3 2 2 2 2 4 4 4 3 4 4
2 3 2 2 5 4 2 2 2 2 2 1 1 1 1 3 2 2 2 3 2 1 2 3
5 2 3 1 2 2 2 2 1 1 1 1 1 1 4 2 1
```

STUDENT NO. 7
```
3 5 2 2 1 1 5 3 1 5 3 1 3 1 3 3 1 1 5 1 3 3 1 1
3 1 1 1 1 1 5 5 1 1 5 3 3 3 1 1 2 2 1 1 1 3 5 3
1 1 5 1 5 3 3 3 1 1 2 1 3 3 3 3 1 2 1 3 2 1 2 1
3 2 2 5 3 1 3 5 1 3 1 3 3 3 3 3 3
```

STUDENT NO. 8
```
2 4 3 4 2 2 4 3 2 3 2 2 4 2 2 2 3 3 4 2 4 2 2 2
2 2 3 2 2 2 4 4 3 3 3 2 4 2 2 3 3 3 2 3 2 2 3 3
2 2 2 3 3 2 2 4 2 3 3 2 4 2 3 3 3 4 4 3 3 2 3 4
1 3 3 4 2 2 4 3 3 3 3 2 3 3 3 2 4
```

STUDENT NO. 9
```
5 5 1 3 1 1 5 3 2 3 4 1 1 2 2 1 1 1 5 2 2 4 4 1
3 3 2 1 1 3 1 5 3 3 3 1 2 3 3 3 3 1 4 3 1 3 4 1
2 3 5 3 1 3 2 3 2 1 2 1 2 3 3 2 1 2 5 2 5 1 4 1
1 4 4 4 3 2 1 1 1 4 1 1 1 1 3 1 1
```

STUDENT NO. 10
```
3 2 3 3 1 2 1 2 1 5 2 1 2 3 1 3 2 2 5 3 3 1 1 2
1 2 3 1 1 1 4 2 1 3 2 2 3 2 2 4 3 2 2 3 1 1 4 1
2 2 2 2 5 3 3 2 1 1 1 1 1 3 3 2 2 3 5 1 3 1 1 3
1 5 3 2 2 2 2 2 2 1 1 2 2 1 1 2 3
```

```
STUDENT NO. 11
2 4 3 5 3 3 3 3 3 5 1 3 5 5 3 3 3 5 5 5 3 1 1 3
3 3 3 1 1 3 3 5 3 3 3 3 3 3 3 3 3 3 5 2 3 3 3 2
2 3 3 2 5 2 4 3 2 1 3 3 4 4 3 3 3 3 4 1 3 3 4 4
2 5 5 3 3 3 2 2 1 2 3 1 2 1 1 1 1

STUDENT NO. 12
3 1 5 1 2 3 4 2 2 5 1 2 2 1 3 2 2 2 4 2 5 1 1 3
1 3 4 1 2 2 5 4 2 3 3 4 5 2 3 5 3 3 4 4 4 3 1 3
4 4 4 4 2 4 3 4 4 2 2 2 3 4 2 2 2 3 4 2 3 1 4 5
1 3 3 4 4 2 4 4 1 2 2 2 3 2 3 2 2

STUDENT NO. 13
5 1 5 5 3 3 3 3 3 1 1 3 5 2 3 2 1 1 4 1 4 1 2 3
3 3 5 1 1 1 4 4 3 3 4 4 4 1 4 3 2 3 4 3 5 3 3 3
3 5 5 5 3 3 3 3 3 3 3 2 3 3 3 3 3 3 1 2 3 2 2 2
2 2 3 2 3 4 1 2 3 4 1 1 2 1 2 1 2

STUDENT NO. 14
5 3 3 5 1 3 5 3 2 5 4 2 1 1 1 1 3 1 5 3 5 1 5 1
1 3 5 1 1 5 5 1 1 3 1 4 3 2 2 4 2 5 2 5 5 2 1 1
3 2 2 5 5 5 1 2 1 1 1 1 3 3 2 1 1 1 5 1 2 1 1 3
1 2 5 2 4 1 2 4 1 3 3 3 3 3 3 3 3

STUDENT NO. 15
1 5 1 1 1 1 5 3 1 2 2 1 5 1 1 1 5 1 5 1 1 5 1 1
1 3 5 1 1 1 5 3 5 5 5 5 5 5 5 1 3 3 5 3 1 5 1 1
5 1 1 3 3 5 1 5 1 1 1 3 1 1 1 1 1 1 5 1 2 1 1 1
1 1 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1

STUDENT NO. 16
5 5 2 5 2 1 5 3 2 3 2 1 3 1 3 4 1 5 5 3 2 3 3 1
1 2 5 1 1 1 4 5 3 3 4 3 3 2 3 1 2 5 3 4 5 2 3 3
5 3 4 3 5 5 3 3 2 4 3 3 2 4 2 3 5 2 5 3 3 1 2 5
3 3 2 3 3 3 3 3 3 3 2 1 2 2 2 3 3

STUDENT NO. 17
3 4 3 5 2 2 5 3 4 5 3 5 1 2 3 3 2 3 5 1 3 3 2 3
3 5 5 2 3 3 5 5 3 3 3 3 5 3 2 4 4 3 3 3 3 2 1 2
3 2 4 2 5 4 2 3 2 3 4 2 4 2 2 2 2 5 4 1 5 1 3 1
1 5 2 3 3 3 4 1 5 2 1 1 1 1 1 1 3

STUDENT NO. 18
5 5 2 4 2 1 5 1 1 5 4 2 5 4 1 1 1 1 5 5 3 2 3 1
1 3 4 1 3 1 3 1 4 4 4 3 3 2 3 3 2 4 5 5 5 1 5 3
5 2 3 5 5 5 5 5 5 5 2 1 4 3 3 5 1 2 1 1 1 1 1 1
1 1 3 1 1 1 1 1 1 2 1 1 1 1 1 1 1

STUDENT NO. 19
5 1 5 5 5 5 1 5 5 1 1 1 3 1 5 5 3 3 3 3 3 3 3 1
1 4 4 2 1 1 3 4 3 3 3 3 3 2 3 3 3 3 4 3 4 3 3 2
2 3 3 3 3 3 3 2 2 1 1 1 1 1 1 1 2 3 3 1 2 3 3 3
1 3 1 1 1 1 2 2 2 3 1 1 1 1 1 1 1

STUDENT NO. 20
2 4 5 5 1 3 3 3 3 4 1 1 1 1 3 2 5 1 3 5 3 1 1 3
1 5 5 1 2 1 5 5 2 1 2 4 3 2 3 3 3 3 3 5 1 2 2 1
2 2 2 4 5 5 3 4 4 1 3 2 1 3 2 1 1 1 3 1 4 1 3 4
1 5 4 4 2 3 2 4 5 3 3 1 1 1 1 1 1
```

```
STUDENT NO. 21
2  5  1  3  1  1  5  1  1  5  3  1  3  2  1  1  1  1  5  1  2  2  5  1
1  1  3  1  1  2  5  4  1  1  3  1  1  1  2  3  3  4  3  2  1  1  1  1
1  2  2  1  4  2  1  3  2  1  1  1  1  3  1  1  2  1  2  2  1  1  2  1
1  1  2  3  3  3  1  2  3  2  1  1  1  1  1  1  2

STUDENT NO. 22
2  5  1  4  2  1  5  1  1  4  1  2  5  1  1  1  5  2  5  1  1  1  1  1
1  3  4  1  1  1  5  3  4  2  4  2  2  2  3  4  3  2  4  3  4  1  4  1
2  2  1  4  5  5  1  4  2  1  1  2  1  3  1  1  1  2  4  1  2  1  2  4
1  3  4  3  5  5  1  5  5  1  1  1  1  1  2  3  1

STUDENT NO. 23
2  4  3  3  2  2  4  3  3  3  1  2  3  2  2  2  2  1  4  2  2  2  1  2
1  3  4  1  1  1  5  4  3  2  4  2  2  2  3  4  3  2  4  4  4  2  4  2
2  2  2  3  2  4  2  4  2  2  2  2  2  2  2  1  1  2  2  1  4  2  3  2
1  3  4  1  4  5  5  1  5  2  2  1  1  2  2  2  1

STUDENT NO. 24
1  5  1  3  1  1  5  1  1  4  3  1  5  2  1  3  2  1  5  1  3  2  3  5
2  1  4  3  3  1  5  5  1  5  3  2  5  3  3  3  3  3  4  3  5  4  1  1
3  3  2  4  5  5  3  1  3  2  3  2  4  2  1  1  2  2  1  1  3  1  1  1
1  2  2  1  3  2  4  2  1  3  3  1  1  1  1  1  1

STUDENT NO. 25
5  5  5  5  1  2  3  4  5  1  1  1  3  1  4  4  5  1  5  1  1  1  4  1
1  5  5  1  1  1  5  5  1  5  3  1  3  1  2  5  5  3  5  5  1  1  5  5
2  5  5  5  5  5  1  3  4  3  3  1  1  3  3  3  2  3  4  2  2  1  3  1
1  5  3  3  1  2  1  1  1  3  3  1  1  1  1  1  1

STUDENT NO. 26
5  5  1  5  1  1  5  1  1  5  3  1  3  1  2  2  1  3  5  5  3  3  3  1
1  3  3  1  3  1  5  5  3  3  3  2  3  2  3  5  3  3  5  3  5  3  5  1
3  3  3  3  5  3  3  5  5  5  5  5  5  5  1  1  3  3  3  1  3  1  3  4
1  4  5  3  3  3  4  4  4  2  2  1  1  1  3  3  5

STUDENT NO. 27
3  3  3  3  3  1  4  3  3  3  3  1  3  2  3  1  3  2  4  2  2  2  2  1
1  3  4  1  3  1  4  3  3  3  4  3  3  2  3  3  3  3  3  2  4  3  3  3
3  3  3  2  1  3  1  3  2  2  2  1  1  2  3  3  3  5  5  1  3  3  5  4
1  3  3  2  4  5  3  3  3  4  2  1  1  1  1  1  1

STUDENT NO. 28
2  4  3  3  2  2  3  2  2  4  3  3  5  3  3  1  1  1  5  2  2  2  2  1
1  1  3  1  1  1  2  2  2  4  3  2  3  2  1  2  2  3  1  1  1  2  3  3
3  2  1  3  1  1  1  2  2  3  3  3  2  2  2  2  2  2  1  1  2  2  2  2
2  3  2  2  3  2  3  2  2  2  1  1  1  2  3  2  2

STUDENT NO. 29
5  3  5  4  3  3  3  3  3  3  1  2  2  2  4  4  1  2  2  3  2  3  4  4
2  3  5  1  2  1  5  4  4  3  2  2  3  1  2  2  2  2  4  5  5  4  3
2  3  4  4  2  1  3  3  3  1  1  1  2  2  1  1  3  2  3  1  4  4  5
1  5  1  1  2  3  2  1  1  2  1  1  1  1  1  1  2

STUDENT NO. 30
3  4  3  4  2  2  3  3  3  4  1  3  3  3  4  4  3  3  5  4  4  3  3  2
2  2  3  2  2  1  4  3  3  3  5  5  4  2  3  5  4  5  5  5  5  4  2  3
4  4  4  3  3  4  4  4  2  2  2  2  2  3  2  3  3  4  3  2  5  2  4  2
2  5  2  5  3  4  3  2  2  2  2  2  2  2  2  2  4  5
```

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STUDENT NO. 31
2 5 1 3 1 1 5 1 1 5 2 1 2 1 2 3 1 1 5 1 2 2 4 1
1 2 2 1 3 1 4 3 3 4 2 2 2 1 3 2 3 1 4 5 5 1 2 1
2 4 2 2 4 4 1 3 2 2 1 3 3 2 2 1 1 1 2 1 4 2 1 2
1 5 4 1 4 5 4 1 5 1 3 1 1 1 1 1 3

STUDENT NO. 32
1 5 3 2 1 2 5 2 2 5 3 1 1 2 3 4 2 3 2 5 5 1 3 1
1 2 4 1 1 1 5 5 1 4 4 1 1 1 2 3 4 3 2 5 5 5 5 5
5 4 3 1 1 3 1 3 1 1 1 3 3 3 1 3 2 2 3 1 1 1 4 4
1 1 3 1 1 1 1 1 1 3 1 1 1 1 1 1 1

STUDENT NO. 33
3 1 5 1 1 1 5 1 3 5 1 3 5 1 2 1 1 2 5 1 5 1 1 1
1 3 3 1 1 1 5 1 5 1 1 1 5 2 3 1 1 1 3 3 4 2 1 1
1 1 2 1 1 5 1 1 1 1 1 1 1 1 1 1 2 1 2 1 2 2 2 4
1 3 1 1 3 1 3 1 3 1 1 1 1 1 1 1 4

STUDENT NO. 34
5 5 2 5 1 1 2 1 4 5 5 4 5 5 3 2 3 3 5 2 3 2 3 2
1 2 4 1 3 1 5 2 2 3 2 1 1 1 1 4 2 4 4 3 4 2 4 2
2 1 1 1 2 1 2 3 1 1 1 1 1 1 1 1 1 5 5 1 1 3 4 5
1 1 3 2 1 1 2 1 1 1 1 1 1 1 1 1 1

STUDENT NO. 35
3 5 3 3 1 2 5 2 2 3 1 2 5 1 2 3 1 4 5 4 5 1 1 5
1 5 2 1 4 1 5 5 4 3 3 2 4 2 2 5 2 2 2 5 4 5 4 1
3 2 2 2 3 2 1 3 1 1 1 1 1 1 1 1 3 3 5 1 5 3 5 5
2 5 4 4 3 2 1 4 5 1 2 3 1 2 1 2 4

STUDENT NO. 36
2 4 2 4 2 1 4 3 2 4 2 3 3 4 2 3 1 3 3 3 3 2 3 3
2 3 2 1 2 1 2 1 3 3 3 2 2 2 3 1 2 3 3 4 5 3 5 1
2 3 3 2 5 3 3 4 2 3 2 3 2 3 2 3 3 2 5 2 2 2 4 5
1 3 3 3 2 2 4 2 3 1 2 2 1 1 2 1 3

STUDENT NO. 37
5 5 1 3 1 1 5 5 3 5 3 2 5 5 2 2 1 4 5 1 5 5 2 3
1 1 1 1 1 2 3 2 1 5 5 4 1 1 1 1 1 1 3 1 5 5 5 1
1 1 2 1 5 1 1 3 2 1 1 1 1 1 1 1 2 1 5 1 4 1 1 5
1 4 5 1 1 2 1 5 2 1 2 1 1 1 1 1 1

STUDENT NO. 38
4 4 2 3 2 2 5 3 2 5 3 2 2 4 2 2 1 1 5 2 3 2 4 2
1 3 5 1 1 1 2 3 2 4 3 2 3 2 2 4 2 2 3 4 2 3 4 2
2 3 2 2 4 2 3 4 2 2 2 3 2 3 3 3 2 4 2 2 4 2 3 4
1 5 3 1 4 4 1 4 4 1 2 1 1 1 1 1 1

STUDENT NO. 39
4 4 2 4 2 2 4 2 3 4 2 2 4 2 2 2 2 2 4 2 2 2 3 2
2 3 4 2 1 1 2 4 3 2 4 2 4 2 3 2 2 2 3 2 3 2 4 1
1 2 3 2 2 2 2 2 2 1 2 2 1 2 2 2 2 2 2 1 2 2 2 2
1 2 3 4 2 2 4 2 2 2 2 1 2 2 2 2 2

STUDENT NO. 40
2 5 2 3 1 1 5 3 2 5 2 3 5 1 2 1 1 2 5 2 2 1 2 1
1 2 2 1 1 1 4 2 1 2 2 5 2 2 2 1 2 5 5 2 5 2 5 1
2 5 2 5 5 2 2 2 2 1 1 5 2 2 2 2 2 4 5 1 2 1 5 4
1 2 2 4 2 1 1 4 5 3 3 1 1 1 1 1 1 2
```

```
STUDENT NO. 41
 5  5  3  5  1  2  5  3  2  1  4  1  5  2  4  1  1  4  5  5  5  1  5  5
 1. 5  5  1  1  1  5  5  1  3  5  4  5  1  4  5  2  5  5  5  5  1  1  3
 1  4  5  5  5  5  5  4  5  1  1  4  3  4  1  3  4  4  4  1  5  2  5  2
 1  5  3  3  3  3  2  2  2  1  1  4  4  2  2  2  5

STUDENT NO. 42
 4  5  1  5  1  1  5  2  2  3  1  4  4  2  2  2  2  2  5  1  4  3  3  1
 1  3  4  1  1  1  2  4  3  3  4  2  3  3  2  3  3  3  4  4  4  2  1  1
 2  2  2  2  2  2  1  3  2  2  2  4  3  1  2  2  2  2  5  1  2  2  2  5
 2  2  3  3  2  3  5  5  2  2  1  1  1  1  1  1  5

STUDENT NO. 43
 2  5  2  3  1  2  5  2  2  5  1  1  5  4  1  2  1  2  5  1  2  2  3  2
 5  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3
 3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3
 3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3

STUDENT NO. 44
 2  5  3  4  2  1  5  2  2  3  2  2  2  2  2  2  4  2  4  2  3  3  2  2
 1  3  3  2  1  2  3  3  3  3  3  2  3  3  3  3  2  2  4  4  3  3  4  2
 2  3  2  2  3  3  2  4  2  2  2  1  3  3  3  3  3  3  2  3  3  2  3  2
 2  3  3  3  2  2  2  2  2  1  1  1  2  1  2  2  4

STUDENT NO. 45
 3  3  5  5  4  5  3  3  3  3  3  3  3  1  3  1  3  4  5  5  5  1  1  1
 1  1  5  1  1  1  5  5  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3
 3  3  3  3  4  3  2  4  3  2  4  3  3  4  1  1  3  3  5  2  1  1  2  2
 1  1  3  5  5  5  5  5  5  3  3  3  3  3  3  3  3

STUDENT NO. 46
 5  3  5  5  2  4  4  3  2  5  1  3  2  3  2  5  2  3  4  1  1  3  3  1
 1  1  3  1  1  1  5  5  1  5  4  1  5  1  1  3  1  3  2  5  5  1  5  1
 1  3  1  3  3  1  1  3  1  3  1  1  3  2  1  3  1  2  3  1  2  1  2  3
 1  3  2  1  1  1  1  1  1  1  1  1  1  3  1  1  4

STUDENT NO. 47
 2  5  2  3  1  1  5  3  2  4  2  1  3  2  2  1  3  3  5  1  1  1  3  1
 1  3  3  1  1  1  5  3  3  4  5  3  3  2  2  3  3  3  3  2  3  3  3  2
 3  3  2  3  4  2  2  3  2  1  1  2  2  2  2  2  2  4  4  2  1  1  4  4
 1  2  3  2  4  2  2  4  2  2  2  1  2  2  2  1  4

STUDENT NO. 48
 3  5  1  4  1  1  5  1  1  4  3  2  3  1  3  3  2  1  4  1  3  1  2  1
 2  1  3  1  3  3  3  3  1  3  3  2  2  3  3  3  3  3  3  3  3  3  5  3
 3  2  2  3  2  3  3  3  2  3  3  3  3  3  3  3  2  1  1  1  2  2  4  2
 1  2  2  2  1  1  4  2  1  2  3  2  2  1  1  1  1

STUDENT NO. 49
 2  5  1  3  1  1  5  2  1  5  4  2  4  3  3  3  3  3  3  3  3  3  3  3
 3  3  3  1  1  1  4  2  2  2  3  2  3  2  2  2  2  2  3  4  3  2  3  3
 3  2  3  2  3  4  2  3  2  2  2  3  3  3  3  3  1  1  2  2  2  1  1  2
 1  2  4  3  3  2  4  2  1  4  2  1  1  1  1  1  4

STUDENT NO. 50
 5  3  5  5  2  5  4  4  4  3  4  2  1  1  4  1  3  5  3  5  4  2  3  4
 1  2  3  1  2  2  5  4  2  3  4  2  2  2  2  3  3  1  3  3  4  2  4  3
 2  3  2  4  2  1  2  3  1  1  1  1  2  2  3  2  1  2  3  2  1  1  3  3
 1  4  3  3  2  2  2  2  2  3  3  1  1  1  1  3  2
```

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STUDENT NO. 51
3 3 5 2 3 2 3 3 3 1 1 2 3 1 3 2 3 3 4 2 5 2 3 3
2 4 5 1 3 2 4 4 3 3 4 3 5 3 3 3 3 3 3 3 5 4 1 3
3 3 4 3 3 3 3 4 3 3 3 3 3 4 2 4 2 5 2 1 1 2 4 4
1 1 4 5 5 5 5 5 5 3 3 2 3 2 3 2 3

STUDENT NO. 52
5 4 3 3 2 1 4 2 2 4 4 1 3 3 2 1 2 1 4 1 1 1 4 2
2 1 2 1 1 1 5 4 3 2 3 1 2 2 1 2 2 1 3 3 4 2 5 1
2 3 2 2 3 2 1 3 1 2 2 3 3 4 3 3 1 3 3 2 1 2 3 2
1 4 3 2 2 1 3 1 2 4 1 1 1 1 1 2 3

STUDENT NO. 53
2 4 3 3 1 1 5 3 2 5 2 2 2 2 1 1 1 3 4 1 4 2 4 3
2 3 3 1 2 1 3 4 2 3 3 2 2 2 3 4 2 2 2 3 5 1 5 2
2 4 4 3 5 5 1 2 2 3 2 1 2 3 2 4 4 5 3 5 1 5 5 5
1 5 3 3 1 1 3 1 1 1 3 2 2 1 1 1 3

STUDENT NO. 54
2 5 2 3 1 2 5 3 2 4 4 2 5 5 2 1 1 2 5 1 2 3 5 1
1 1 4 1 2 2 4 4 1 5 3 2 2 1 2 2 2 2 3 3 5 1 5 2
2 3 2 2 3 3 3 3 1 1 2 1 1 3 4 3 2 3 3 2 1 1 4 3
2 3 4 2 3 2 2 2 2 2 3 1 1 2 2 2 3

STUDENT NO. 55
4 3 5 3 2 3 1 3 5 1 1 4 1 1 2 1 4 3 5 1 3 2 3 2
3 4 5 1 1 1 3 3 2 2 3 2 3 3 3 2 2 3 2 4 1 3 1 2
2 3 2 4 1 3 3 2 4 2 3 2 3 4 3 3 4 2 3 1 2 1 2 2
1 4 3 2 2 1 4 1 1 3 2 1 1 1 1 1 1

STUDENT NO. 56
4 3 1 3 1 1 5 1 1 3 2 2 5 1 1 3 1 1 5 1 2 5 1 3
1 2 5 1 2 1 5 5 2 3 3 2 1 1 1 2 2 2 2 3 2 1 2 2
2 1 3 2 3 3 2 3 3 3 3 3 3 1 2 1 3 3 1 2 1 3 3
1 2 2 3 3 3 3 3 4 3 1 1 1 2 1 1 3

STUDENT NO. 57
3 4 4 4 3 2 2 4 3 4 1 4 4 2 4 2 4 3 5 1 4 2 3 2
3 2 4 1 2 2 4 5 2 3 3 3 3 2 2 3 3 3 4 4 4 3 4 2
3 4 4 2 4 2 3 3 2 1 2 2 2 2 1 1 3 3 3 2 5 3 3 2
2 5 3 3 3 3 3 2 2 3 2 2 2 2 2 2 4

STUDENT NO. 58
4 4 3 4 2 3 4 3 3 4 1 4 3 1 3 2 1 2 4 4 4 1 2 2
2 4 4 1 2 1 4 4 4 3 2 2 1 4 2 3 3 3 4 4 4 4 2 2
3 2 3 2 2 2 3 3 2 2 2 2 2 2 2 2 2 3 2 2 4 2 2 3
2 4 2 1 1 2 1 1 2 3 2 1 1 1 2 1 1

STUDENT NO. 59
4 4 2 3 1 4 4 3 3 4 4 2 4 1 3 2 1 1 4 2 4 2 3 3
1 2 2 4 2 1 3 4 1 3 3 3 4 2 2 2 3 4 5 4 3 1 5 4
1 1 2 3 2 3 1 3 2 2 1 1 1 2 1 2 1 2 1 1 4 1 4 2
1 5 2 5 4 1 3 1 4 2 1 1 1 1 1 1 1

STUDENT NO. 60
4 5 3 3 1 1 5 2 2 5 1 1 2 1 1 1 1 1 5 1 3 1 2 2
1 1 3 1 1 1 1 5 1 2 2 1 1 1 1 2 1 1 2 2 3 2 2 5 1
3 3 4 2 5 2 1 2 2 1 1 2 1 2 2 1 4 3 2 2 5 2 3 4
1 5 3 1 1 1 1 1 5 5 2 1 1 1 1 1 1 2
```

```
STUDENT NO. 61
 5  4  5  1  3  3  4  4  4  5  3  1  1  1  2  2  1  1  1  5  3  1  1  2
 2  4  5  1  2  1  5  5  2  5  5  2  5  1  1  2  5  3  4  4  4  4  1  1
 2· 2  2  1  5  5  2  5  3  3  2  1  1  2  2  2  2  1  1  1  2  2  5  5
 1  4  3  1  1  2  2  2  5  1  2  1  1  1  1  4  1

STUDENT NO. 62
 3  4  4  3  4  4  5  2  2  3  3  1  4  2  2  3  3  3  5  3  3  3  3  3
 3  3  3  3  3  3  3  5  4  3  4  3  3  3  3  3  3  3  4  3  5  2  2  3
 3  3  4  2  3  3  3  3  3  3  3  3  3  3  3  3  3  3  2  1  4  3  3  3
 3  4  3  3  3  3  3  3  3  3  3  1  2  2  2  2  2

STUDENT NO. 63
 5  4  4  5  2  2  5  2  3  4  2  2  5  4  2  2  1  2  1  2  2  1  1  2
 2  2  3  1  2  2  3  5  3  3  4  3  3  1  2  2  3  3  4  4  4  2  2  1
 3  2  2  2  4  5  3  3  3  3  2  1  1  2  2  2  2  2  2  1  2  2  5  5
 1  5  3  1  1  2  2  2  2  3  3  1  2  2  2  3  1

STUDENT NO. 64
 5  4  4  5  2  3  4  3  3  5  1  1  1  1  1  1  1  5  3  2  5  1  1  1
 1  3  5  1  1  1  5  3  4  3  4  2  5  2  2  2  4  2  5  1  4  2  4  2
 3  2  3  4  4  5  3  2  2  2  1  2  1  1  1  1  2  2  4  1  2  2  2  3
 1  2  3  1  2  4  1  3  5  4  2  1  1  1  2  1  2

STUDENT NO. 65
 2  4  3  3  2  2  5  2  3  3  3  3  3  1  3  2  3  3  5  4  4  2  2  2
 2  2  4  2  2  4  4  2  4  4  2  4  2  2  3  3  3  4  4  2  3  2  3  2
 2  2  2  3  3  2  3  3  3  2  3  4  3  3  3  1  2  2  1  4  2  3  4  1
 5  3  4  3  3  4  2  1  2  4  1  1  1  2  2  3  2

STUDENT NO. 66
 5  5  1  3  1  4  5  3  2  5  4  2  4  5  1  1  1  1  5  1  1  3  5  2
 1  1  3  1  1  1  3  1  1  3  5  1  1  1  1  2  3  2  3  3  1  1  5  1
 1  2  1  1  3  1  1  1  1  3  3  4  5  3  4  5  1  1  1  1  1  1  1  1
 1  1  5  2  2  3  1  3  3  3  1  1  1  1  3  2  5

STUDENT NO. 67
 4  3  4  4  2  3  4  2  3  1  2  3  1  2  2  1  2  1  5  5  2  3  1  1
 1  2  1  1  1  1  2  2  2  1  1  2  2  2  2  3  2  3  2  2  4  1  1  2
 3  3  2  5  3  2  2  4  2  1  1  2  1  1  1  1  2  2  3  2  1  1  2  5
 2  5  2  2  1  3  3  1  3  1  1  1  1  1  1  2  1

STUDENT NO. 68
 3  2  2  4  3  2  4  2  2  4  1  2  2  3  2  2  2  3  5  3  2  1  3  2
 1  1  2  2  2  1  4  4  3  3  2  2  4  1  2  2  2  2  4  3  4  1  2  3
 3  3  2  3  4  5  4  3  1  1  1  1  1  3  2  2  2  2  2  2  4  1  2  3
 1  4  3  2  1  1  2  1  1  4  1  1  1  1  2  1  1

STUDENT NO. 69
 2  4  5  5  2  2  4  5  2  2  5  3  1  1  2  1  1  4  4  5  1  1  1  3
 1  3  4  1  1  1  4  1  3  4  2  2  4  1  3  3  4  3  2  1  5  1  1  4
 3  2  4  4  5  2  1  5  5  1  1  1  1  2  2  2  3  2  5  1  1  5  5  5
 1  5  3  1  5  5  1  5  5  3  3  1  1  1  1  4  3

STUDENT NO. 70
 4  2  5  5  3  3  4  3  3  4  2  2  3  3  4  2  5  3  3  4  1  1  3  3
 2  2  4  2  3  3  5  3  2  4  2  2  4  2  2  3  3  3  4  3  3  2  4  2
 3  5  3  3  4  3  2  3  3  2  3  3  3  3  3  3  3  3  3  3  3  3  3  3
 3  3  3  3  2  2  2  2  2  3  3  2  2  2  2  2  2
```

```
STUDENT NO. 71
4  2  5  5  2  2  2  2  4  5  3  1  1  5  2  2  4  4  5  5  4  3  1  1
1  1  4  1  1  1  5  1  1  3  2  2  4  1  1  5  2  4  4  1  1  1  1  1
1  3  1  4  5  5  1  4  1  1  1  1  1  1  1  1  1  1  5  1  5  1  5  5
5  2  2  1  5  2  1  5  2  3  2  1  1  1  1  1  5

STUDENT NO. 72
3  4  1  1  1  2  4  2  2  1  2  4  1  1  2  2  1  5  3  4  1  1  1  1
1  3  3  1  1  1  5  4  1  3  2  1  2  1  2  5  3  3  4  5  1  1  3  1
1  2  3  3  2  5  1  3  1  1  1  2  2  2  1  1  2  3  5  1  1  2  2  4
1  3  2  2  1  2  2  1  1  2  1  1  1  1  1  1  1

STUDENT NO. 73
5  5  1  1  5  1  5  1  1  5  1  1  5  5  1  2  1  1  5  1  1  5  4  1
1  1  2  1  1  1  2  2  1  1  2  1  1  2  2  1  1  1  1  1  1  1  1  1
1  1  1  1  5  1  3  1  1  1  1  1  1  1  1  1  2  4  1  3  1  2  3
1  5  2  1  3  3  5  4  1  2  1  1  1  1  5  1  3

STUDENT NO. 74
2  3  4  2  2  2  4  3  4  5  4  3  5  2  3  1  2  4  5  5  4  1  2  2
4  3  5  1  1  2  5  2  2  4  2  3  4  2  2  5  4  3  5  5  5  2  2  3
3  2  3  4  2  2  2  3  3  3  3  3  3  3  2  3  4  2  3  3  4  3  3  3
2  4  3  3  3  3  2  3  3  3  3  3  2  4  3  4  3

STUDENT NO. 75
3  4  3  3  2  2  4  3  3  4  3  2  3  2  2  2  2  2  4  3  2  2  2  2
2  3  3  2  2  2  4  3  3  2  3  3  3  2  2  2  3  3  3  2  2  2  2  2
2  3  2  2  2  2  3  2  2  1  2  3  2  3  2  2  2  2  2  2  2  1  2  2
3  3  3  3  3  3  3  2  2  3  2  1  1  1  1  1  2

STUDENT NO. 76
4  4  5  3  2  2  5  2  4  3  2  2  1  1  2  1  1  2  5  3  2  3  4  1
1  2  4  1  1  1  4  5  2  2  5  5  2  2  3  2  1  1  2  5  1  1  2  2
2  1  2  2  5  5  2  3  1  1  1  1  1  1  2  1  1  5  2  1  1  1  2  2
1  4  2  1  4  5  2  1  4  1  1  1  2  1  1  1  2

STUDENT NO. 77
5  3  5  4  2  3  3  5  5  3  1  4  2  2  4  1  1  3  4  2  5  3  3  2
2  5  2  1  3  1  5  5  3  3  4  5  3  4  3  3  2  2  5  3  3  3  4  3
3  2  5  4  3  2  2  3  2  2  3  2  3  4  1  3  1  3  5  4  2  1  5  5
2  4  1  1  4  5  3  2  1  3  1  1  1  1  1  1  5

STUDENT NO. 78
1  4  5  3  4  3  3  4  5  4  1  1  1  1  3  2  4  5  2  4  2  1  1  1
1  5  4  2  1  3  1  1  4  2  2  4  2  4  3  3  5  3  4  1  4  1  1  3
4  2  4  3  2  5  3  4  2  4  4  3  3  3  1  1  3  3  5  1  5  4  4  5
1  1  3  2  2  3  2  2  3  4  3  1  3  3  2  3  2

STUDENT NO. 79
3  5  4  2  3  5  5  4  3  3  3  1  5  1  1  1  1  1  3  5  1  5  3  1
1  3  3  3  3  2  4  2  3  3  3  3  2  4  3  3  3  1  3  3  2  3  2  4
1  3  5  1  5  5  1  3  2  4  3  2  3  3  2  4  3  3  3  1  5  3  5  5
5  5  5  5  1  1  5  1  1  1  1  1  1  1  1  1  1

STUDENT NO. 80
5  5  5  5  1  1  5  5  3  3  5  1  5  4  5  4  5  5  5  5  5  5  5  5  1
1  5  1  1  1  1  1  1  5  5  1  5  1  5  5  5  5  5  5  5  5  5  1  1  5
5  5  5  5  5  5  5  5  5  1  1  1  2  1  3  3  3  1  5  1  5  3  3  5
1  4  5  3  3  2  4  4  1  5  3  1  3  3  3  3  3
```

```
STUDENT NO. 81
2  5  4  5  3  5  3  5  5  1  5  1  5  1  4  1  1  5  5  3  2  1  1  1
1  3  3  1  1  1  5  5  1  3  3  3  3  3  2  2  4  1  4  5  1  3  2  4
4  4  2  1  1  5  1  5  3  3  2  1  1  2  2  2  2  3  4  4  2  1  2  4
2  2  2  3  2  2  4  4  2  2  4  1  1  4  2  2  4

STUDENT NO. 82
4  3  5  5  2  2  2  3  3  3  1  3  3  1  2  2  2  3  2  5  5  3  5  2
2  1  1  1  2  2  5  4  3  4  3  2  5  2  2  2  3  3  5  3  4  2  1  1
3  5  5  3  3  4  1  3  2  3  3  1  5  3  2  3  4  3  2  3  3  2  2  3
1  5  3  3  3  3  3  3  3  3  2  2  1  1  1  1  2

STUDENT NO. 83
3  3  5  1  3  3  1  1  1  1  1  1  1  5  5  3  3  1  1  1  5  5  1  5
5  1  5  3  5  5  5  5  5  5  5  5  2  5  3  3  4  1  1  1  1  5  1  1  1
3  4  2  1  2  4  5  2  4  2  3  3  1  1  2  3  5  5  5  5  5  5  5  5
5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  3  5

STUDENT NO. 84
5  4  4  4  2  5  1  2  2  2  1  4  1  1  2  5  3  5  4  2  3  2  5  1
1  1  5  1  1  1  5  5  2  5  1  4  4  2  4  4  4  4  5  5  5  5  1  3
4  5  5  4  4  4  2  5  1  1  3  1  5  5  1  1  1  1  5  1  3  1  1  1
1  5  1  1  1  1  5  1  1  2  3  2  2  4  2  3  5

STUDENT NO. 85
3  5  3  5  1  3  5  2  2  5  1  1  1  1  1  1  3  3  3  1  1  1  1  1
1  1  1  1  1  1  1  3  1  3  3  3  3  1  1  3  3  3  3  1  5  1  1  1
1  1  3  3  3  3  1  3  3  3  3  1  1  1  1  1  1  1  5  1  1  1  1  3
1  1  1  1  3  3  1  3  5  1  1  1  1  1  1  1  5

STUDENT NO. 86
2  3  3  4  1  4  4  3  3  2  1  2  1  1  3  1  2  4  3  4  4  2  3  2
2  4  4  2  2  2  4  4  2  2  4  2  2  2  2  3  3  3  3  3  4  3  2  3
3  3  2  3  1  1  2  3  2  2  2  2  3  3  2  3  2  2  5  3  2  2  2  5
2  3  3  2  2  3  4  2  3  3  2  3  1  3  3  2  2

STUDENT NO. 87
5  1  5  5  5  5  1  5  5  1  1  3  5  1  5  5  5  5  1  5  5  5  1  3
3  5  1  1  1  1  5  5  3  3  3  5  5  5  3  3  4  3  5  3  5  4  5  3
3  3  5  3  3  3  2  5  3  2  2  3  3  3  3  3  5  5  5  5  4  2  5  4
2  5  3  5  5  5  5  5  5  2  3  3  3  2  3  1  5

STUDENT NO. 88
2  2  3  4  2  2  2  2  3  1  1  1  2  5  3  2  .1 2  5  1  2  2  1  4
2  2  2  3  3  1  4  4  4  4  2  4  2  2  3  2  2  3  2  4  4  1  2  3
2  4  2  3  2  4  2  3  1  1  1  1  2  3  3  1  1  1  1  1  2  1  2  2
1  2  3  1  1  1  1  2  3  1  2  1  1  1  2  2  1

STUDENT NO. 89
3  2  2  3  2  2  2  3  2  2  2  1  3  1  2  1  2  3  3  3  2  1  1  2
1  2  4  1  3  1  3  2  2  2  4  3  2  2  2  3  3  2  3  4  2  2  4  3
3  3  2  3  4  3  2  2  2  2  2  3  2  2  2  1  2  3  3  1  2  1  3  3
1  2  3  3  4  5  2  4  5  2  1  2  2  1  2  2  2

STUDENT NO. 90
2  3  3  3  2  3  5  3  3  3  4  2  3  2  2  2  2  3  4  2  2  2  2  2
2  2  3  2  2  2  3  3  2  3  3  3  2  2  3  2  3  2  3  3  3  3  2  2
2  2  3  2  2  2  2  2  2  2  2  3  2  3  2  2  2  2  3  2  2  2  3  2
1  3  2  2  3  3  2  2  2  2  2  2  1  1  1  1  2
```

```
STUDENT NO.  91
   3   2   4   3   1   1   5   2   2   1   2   2   1   2   2   1   1   2   5   1   3   2   3   2
   1   1   2   1   2   2   5   5   2   3   4   3   3   2   2   2   3   2   3   3   2   2   1   3
   2   2   1   2   2   2   3   3   3   3   3   1   2   2   3   3   1   2   5   1   4   1   3   5
   1   5   2   3   1   1   5   5   5   3   3   1   1   1   1   2   2

STUDENT NO.  92
   2   5   4   5   1   1   5   1   2   5   3   1   4   2   2   2   2   3   5   3   5   5   5   3
   1   3   5   1   1   1   5   1   5   4   4   5   3   3   5   5   4   4   4   3   1   1   5   1
   5   3   5   5   5   5   3   5   5   2   1   4   4   4   2   3   2   2   3   1   2   1   2   4
   1   2   3   1   1   1   3   1   3   1   3   3   2   3   2   3   3

STUDENT NO.  93
   4   4   1   5   1   2   4   3   2   5   4   1   3   2   1   1   5   1   5   5   3   5   1   1
   1   1   5   1   1   1   5   1   1   2   2   1   1   1   1   1   1   1   3   1   1   1   1   1
   1   5   1   1   3   1   1   5   1   1   1   1   1   1   1   1   5   5   1   5   1   5   3
   1   3   1   5   2   2   3   1   1   3   1   1   1   1   1   1   5

STUDENT NO.  94
   3   4   3   3   1   1   5   2   2   5   2   2   1   2   2   2   2   1   5   3   3   3   3   1
   1   1   3   1   2   1   4   4   2   4   2   2   2   1   1   2   2   2   2   3   2   1   3   2
   2   2   2   2   3   2   1   2   1   1   1   1   1   1   1   1   2   3   2   2   1   2   3   3
   1   5   2   1   4   5   1   5   5   5   1   1   1   1   1   1   5
```

RESPONSES - TECHNICIAN STUDENTS OVER 18 YEARS OF AGE

STUDENT NO. 1
```
4  2  2  1  1  2  5  2  4  5  2  4  5  2  2  2  3  1  5  1  1  2  2  1
1  2  2  2  2  1  4  1  2  4  2  2  1  2  2  2  3  2  4  5  2  2  1  1
3  4  2  2  3  0  2  4  2  1  1  1  2  2  2  2  1  1  2  2  3  1  1  1
1  3  2  2  1  4  1  2  4  1  1  1  1  1  1  1  1  1
```

STUDENT NO. 2
```
4  5  2  3  1  1  5  2  2  5  5  2  4  2  1  2  2  1  5  3  2  3  3  1
1  2  3  2  1  1  2  1  2  2  3  1  1  3  2  2  2  2  3  2  2  2  2  1
2  2  1  1  2  2  2  2  2  2  1  2  1  2  2  2  3  3  3  3  3  3  3  3
3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3
```

STUDENT NO. 3
```
2  5  3  2  1  1  5  1  2  5  3  1  5  4  2  2  2  1  5  1  2  1  5  1
2  4  2  2  1  1  4  2  2  3  2  3  1  3  1  1  2  3  5  4  1  1  3  4
1  1  2  1  5  4  2  3  2  1  1  1  2  4  2  2  1  2  3  1  2  1  3  3
1  2  2  3  3  3  1  1  1  1  2  1  2  1  1  1  2
```

STUDENT NO. 4
```
4  4  2  3  2  2  4  3  2  4  2  2  2  4  2  4  2  3  4  2  3  3  3  2
3  3  3  2  2  2  2  2  3  3  3  3  2  2  2  3  3  2  3  3  4  3  2  3
2  2  2  2  4  2  2  3  2  2  2  3  3  3  3  2  2  2  3  2  5  2  2  2
2  5  2  3  3  3  2  3  3  2  2  2  2  2  3  2  3
```

STUDENT NO. 5
```
1  5  1  1  1  1  5  1  1  5  5  1  4  4  1  1  1  1  5  1  1  1  5  1
1  1  2  1  1  1  1  1  1  1  1  3  1  1  1  1  1  2  2  1  1  1  1  5  1
1  1  1  1  2  1  1  1  1  1  1  1  1  1  1  2  1  1  1  1  1  1  1  1
1  1  5  2  5  5  1  3  5  3  1  1  1  1  1  1  1
```

STUDENT NO. 6
```
1  5  1  1  1  1  5  1  1  5  2  2  2  1  2  2  2  2  4  1  2  2  3  2
2  2  4  1  2  1  4  3  2  3  2  2  2  2  1  1  2  1  2  2  4  2  2  2
2  2  1  1  5  2  2  2  1  1  1  1  1  2  1  2  2  3  5  1  2  1  2  2
1  2  2  2  4  3  1  2  3  1  1  1  1  1  1  1  2
```

STUDENT NO. 7
```
2  4  4  3  2  2  4  3  3  4  4  1  2  1  2  1  2  3  5  3  2  1  2  1
1  2  4  1  2  2  3  3  2  2  3  2  1  1  1  4  2  2  2  3  4  3  3  3
3  2  3  2  1  2  1  3  2  1  1  3  2  2  1  2  1  1  1  2  2  2  3  3
2  2  3  2  2  1  1  2  2  2  2  1  1  1  2  2  1
```

STUDENT NO. 8
```
5  5  2  2  1  1  5  2  2  5  2  1  2  1  1  1  3  2  5  3  2  5  3  2
1  2  3  1  1  1  4  3  2  2  3  2  2  1  2  3  1  3  2  5  3  2  2  1
3  1  1  2  2  3  1  3  1  1  1  1  3  1  1  1  1  1  1  1  1  1  1  3
1  4  3  5  1  1  1  1  1  3  1  1  1  1  1  1  1
```

STUDENT NO. 9
```
3  3  4  3  3  3  3  3  3  3  3  3  2  3  3  3  2  2  4  3  4  3  2  3  2
2  3  4  2  2  3  5  4  3  3  4  2  3  2  2  2  4  3  3  3  2  2  1  3
2  3  3  3  2  3  3  3  3  3  2  2  2  2  3  3  3  3  3  3  5  2  4  4
2  5  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3
```

STUDENT NO. 10
```
3  4  4  3  2  2  1  1  2  5  5  5  4  2  1  1  2  1  5  1  4  3  3  1
2  2  2  1  1  3  4  4  3  4  3  2  2  2  2  2  2  3  3  3  2  2  4  2
2  2  2  3  3  4  1  3  2  3  2  2  2  3  3  3  1  2  2  2  1  1  1  3
2  2  3  3  2  2  1  1  1  3  3  3  1  2  1  1  1
```

```
STUDENT NO. 11
2  4  2  3  1  2  5  2  1  5  3  1  1  3  2  3  1  1  5  1  2  4  3  2
1  3  2  1  1  3  1  3  2  5  3  2  2  2  2  2  3  3  4  2  2  2  5  2
2  2  2  2  1  3  2  3  2  3  3  2  2  2  2  2  2  2  1  2  2  2  1
1  2  2  2  4  5  3  2  4  1  2  1  2  2  2  2  5

STUDENT NO. 12
4  2  5  4  2  2  4  4  3  4  4  4  4  1  2  2  2  2  5  2  3  2  4  1
1  2  5  1  1  2  5  1  3  3  2  2  1  2  2  3  2  2  2  3  4  4  4  2
1  2  2  2  4  3  2  3  3  2  1  2  2  2  2  2  1  2  4  1  1  1  2  1
1  1  2  4  2  2  1  3  5  2  3  3  1  1  1  1  1

STUDENT NO. 13
5  5  2  3  1  2  5  2  2  5  4  2  3  2  2  3  1  2  5  2  3  4  3  3
2  2  4  1  1  1  5  4  3  3  3  2  2  2  2  2  2  2  3  3  5  3  2  3
2  3  2  3  1  2  2  3  2  2  2  2  2  3  2  3  2  2  2  1  2  2  3  3
1  3  3  3  1  1  2  1  1  3  3  3  2  5  2  2  5

STUDENT NO. 14
5  3  2  1  1  1  4  2  2  5  2  2  5  2  2  4  2  2  4  1  2  3  2  1
1  1  2  1  2  2  5  4  2  3  3  1  2  1  2  3  2  1  1  3  1  1  3  2
1  2  3  2  1  2  1  2  1  1  1  2  2  2  1  2  1  1  2  1  2  1  1  3
1  2  2  2  2  1  1  1  1  1  1  1  1  1  1  1  2

STUDENT NO. 15
5  4  3  4  5  5  4  2  3  1  1  1  1  1  2  4  2  2  5  4  1  5  3  2
1  1  1  1  1  1  5  5  1  3  4  2  2  1  1  1  1  1  4  1  1  1  4  1
1  1  1  2  2  5  2  3  1  1  1  1  1  3  2  2  2  1  2  1  2  1  2  2
1  2  1  1  2  2  1  2  3  2  1  1  1  1  2  3  2

STUDENT NO. 16
1  3  4  3  2  2  5  1  2  4  4  2  1  1  2  4  3  4  4  2  4  2  2  2
2  3  4  2  3  1  4  2  2  4  2  1  5  1  3  4  4  3  3  4  3  2  2  2
2  3  5  3  2  3  2  3  2  2  2  2  3  3  2  3  2  1  3  2  2  1  3  3
1  3  3  4  2  2  2  2  2  1  1  2  2  2  2  1  3

STUDENT NO. 17
2  4  3  3  1  2  5  3  3  1  1  1  1  1  3  2  3  1  3  3  3  1  3  3
2  2  5  1  1  1  1  3  2  4  4  3  4  2  3  2  2  2  2  2  2  2  1  2
2  3  2  2  3  3  2  3  3  3  2  4  2  2  2  2  2  2  2  3  2  3  3  3
3  3  3  3  3  3  3  3  3  3  1  1  1  1  1  1  5

STUDENT NO. 18
4  5  2  3  2  1  4  2  2  5  4  2  3  2  2  2  1  2  5  1  4  3  1  1
1  1  4  1  3  3  4  4  2  3  3  3  3  2  2  1  3  1  3  3  2  3  1  1
3  4  4  2  5  2  1  3  1  1  1  3  3  2  2  3  5  2  2  2  2  1  3  2
1  4  2  3  3  1  5  5  1  1  3  1  1  1  1  1  1

STUDENT NO. 19
1  5  2  3  1  1  5  2  2  4  2  2  1  3  2  3  1  1  5  2  2  3  1  1
1  3  4  1  2  3  4  5  2  2  1  2  5  3  3  3  3  3  3  1  3  1  4  4
3  3  3  3  3  3  3  4  3  3  3  3  3  1  1  3  5  1  2  3  3  2  2  2
2  2  3  3  3  2  2  3  1  2  1  1  3  3  3  1  1

STUDENT NO. 20
3  5  1  3  1  2  5  3  1  5  3  2  4  4  2  1  1  3  5  1  1  1  1  1
2  2  4  1  1  2  3  5  2  3  4  2  4  1  1  3  2  3  3  3  4  3  5  1
2  3  1  1  3  1  1  2  1  1  1  1  3  3  3  3  1  2  3  1  2  1  2  2
1  2  3  3  2  1  3  1  1  4  1  1  2  1  1  1  3
```

```
STUDENT NO. 21
5  5  1  3  1  2  5  1  1  5  2  2  3  3  2  3  2  1  5  1  2  1  3  1
1  1  2  1  2  1  3  1  1  3  2  1  1  1  1  1  1  1  2  1  2  1  3  3
1  1  1  1  2  1  1  1  1  1  1  3  1  1  1  2  1  1  1  1  1  1  2  3
1  3  2  3  1  2  1  1  2  1  1  1  1  1  2  1  1

STUDENT NO. 22
1  5  1  2  1  1  5  2  2  5  3  2  3  1  1  1  1  1  5  1  2  1  2  1
1  1  3  1  1  1  3  4  1  2  2  1  2  1  1  1  2  1  1  1  3  1  4  1
1  2  2  4  3  4  4  2  1  1  3  2  2  3  2  2  1  2  1  1  4  1  3  2
1  4  2  2  1  2  3  1  2  3  1  1  1  1  1  1  1

STUDENT NO. 23
2  5  4  3  1  1  5  2  2  5  3  2  1  1  1  2  3  1  5  2  2  3  3  1
1  1  5  1  1  1  4  5  1  2  3  1  3  1  1  1  2  2  3  3  4  5  1  1
2  3  2  2  5  2  1  3  2  3  3  1  1  2  1  2  2  2  1  2  3  1  2  3
1  3  2  2  1  1  3  2  1  2  1  1  1  1  1  1  1  2

STUDENT NO. 24
3  4  3  3  1  1  5  1  2  5  3  1  1  2  2  1  1  3  3  5  1  2  3  1
1  2  5  1  1  2  5  5  1  3  3  2  1  1  1  1  2  1  3  4  2  2  2  1
2  4  2  2  2  3  1  2  2  4  2  1  2  3  1  2  1  1  3  1  4  1  2  2
1  3  3  1  1  1  1  3  4  4  2  1  1  1  1  2  2

STUDENT NO. 25
3  4  3  3  1  1  5  1  1  5  4  2  5  2  1  1  1  1  5  3  1  1  2  1
2  2  4  1  1  2  5  5  1  3  3  2  4  1  1  1  2  1  3  3  2  2  1  2
2  4  2  2  5  2  1  2  1  3  2  1  1  3  1  2  1  2  2  1  2  1  2  2
1  3  3  2  1  1  2  1  1  3  2  1  1  1  1  1  2

STUDENT NO. 26
2  4  4  2  2  2  4  3  3  3  3  3  5  2  1  1  1  1  5  1  1  2  4  2
1  2  2  1  1  1  3  3  3  2  2  2  3  1  3  3  3  2  2  2  1  1  2  2
3  3  2  2  5  3  3  2  3  2  2  2  4  4  2  2  2  4  4  2  4  1  3  2
1  3  2  3  2  1  3  2  1  3  1  1  1  1  1  1  3

STUDENT NO. 27
3  5  2  2  1  1  5  2  2  3  2  2  5  4  1  2  5  1  5  1  1  1  3  1
1  4  2  1  1  1  5  3  3  1  2  2  3  2  3  2  2  3  3  2  5  2  5  3
3  2  3  2  5  4  3  5  2  3  2  3  3  2  3  3  1  3  2  1  4  1  2  2
1  5  3  1  4  5  1  3  5  1  3  1  3  1  2  1  1

STUDENT NO. 28
1  5  1  3  1  1  5  2  1  5  1  1  4  2  1  1  2  4  5  2  4  1  5  2
2  2  2  1  1  1  5  3  2  4  2  1  5  1  1  3  1  1  3  3  2  1  2  2
1  1  2  1  2  2  2  4  2  1  1  1  1  1  2  1  1  2  1  1  2  1  2  2
1  2  2  2  1  2  2  4  2  2  1  1  1  1  1  1  4

STUDENT NO. 29
2  5  1  3  1  1  5  2  2  5  3  2  5  5  2  1  1  2  5  2  3  2  3  2
2  2  3  1  1  1  5  4  2  3  2  2  4  2  3  3  3  3  4  3  5  3  2  3
2  3  3  2  5  3  2  4  2  2  2  2  2  2  3  3  1  3  4  1  2  1  3  4
1  2  3  3  3  3  2  2  1  2  3  1  1  1  1  1  2

STUDENT NO. 30
5  2  4  5  3  3  4  3  4  4  4  2  4  2  2  1  3  3  3  3  2  2  3  2
1  2  1  1  1  2  3  4  2  3  4  2  1  1  2  3  2  2  3  2  4  1  2  2
2  3  1  2  3  1  1  3  1  1  3  1  2  3  1  4  2  1  3  2  4  1  4  4
1  5  5  1  2  5  3  2  3  4  1  1  3  2  4  2  2
```

```
STUDENT NO. 31
5 5 1 3 1 1 5 3 2 ·5 4 2 5 4 2 2 2 2 5 2 2 2 3 2
1 2 3 1 1 1 2 2 2 2 2 3 2 2 2 3 3 3 3 2 2 2 2 2
2 3 2 2 3 4 3 4 2 2 2 2 2 2 2 2 3 2 2 2 2 2 2
2 2 3 2 3 2 2 2 2 3 1 1 1 1 1 1 2

STUDENT NO. 32
4 4 4 4 3 5 1 2 5 1 4 4 1 2 5 1 1 2 2 5 3 1 3 1
1 3 2 1 1 1 2 4 1 3 2 3 2 4 2 4 2 2 4 2 4 4 4 1
5 2 4 4 1 5 1 5 2 2 2 1 4 2 2 2 2 3 2 4 4 1 2 2
3 1 4 4 2 2 1 3 4 1 1 1 1 1 2 4 1

STUDENT NO. 33
4 4 2 1 2 3 4 2 2 4 4 1 4 1 2 1 3 1 4 5 4 1 3 2
1 2 3 1 3 1 5 2 2 3 2 2 5 1 1 1 2 2 2 2 4 2 3 3
3 3 2 4 4 2 1 3 2 2 2 4 2 3 2 3 1 2 1 1 4 1 2 3
1 5 3 3 1 1 4 4 3 2 2 1 1 1 1 1 3

STUDENT NO. 34
1 5 1 4 1 1 5 1 1 5 3 1 5 5 1 1 1 1 5 3 2 1 2 2
2 3 5 1 1 2 2 2 3 4 4 1 1 3 2 4 1 5 3 3 1 1 5 1
2 1 1 4 2 3 1 3 2 1 1 2 1 2 1 1 1 1 2 2 3 1 2 2
1 2 2 1 2 2 1 2 5 2 3 1 1 1 2 3 5

STUDENT NO. 35
3 2 5 4 3 5 1 4 5 1 3 4 3 1 5 2 2 3 1 3 3 1 2 2
2 3 3 2 2 2 5 1 3 3 3 3 3 2 2 3 4 5 5 4 5 5 4 3
3 4 4 3 4 4 3 5 4 2 2 3 3 3 2 3 3 5 5 3 2 2 3 4
2 3 3 3 3 2 4 4 5 1 1 1 1 1 1 2 2

STUDENT NO. 36
2 3 3 3 2 3 4 3 3 3 2 1 3 2 3 1 1 1 4 1 1 1 3 1
2 4 2 3 3 3 3 3 3 3 3 4 3 2 2 3 5 5 4 3 2 3 2 2
4 4 3 3 3 4 3 3 2 1 1 2 1 1 1 1 1 1 1 4 5 1 2 2
4 5 3 1 2 2 1 1 2 2 2 1 1 3 3 1 2

STUDENT NO. 37
1 2 3 4 2 2 4 2 3 4 4 3 5 5 2 1 2 2 5 3 5 5 5 3
2 3 1 1 3 2 1 1 3 3 2 3 4 3 3 4 4 3 2 4 4 2 2 3
3 3 2 2 5 3 3 3 3 2 3 2 2 2 2 1 1 2 3 4 5 1 1 2
3 5 3 4 2 2 1 2 3 4 1 1 1 1 1 1 2

STUDENT NO. 38
2 4 2 3 1 2 5 2 2 5 5 1 1 2 2 2 1 1 5 1 2 1 2 1
1 1 2 1 3 1 5 1 2 3 4 2 2 1 1 2 2 2 3 2 1 1 1 2
1 1 2 1 3 2 2 1 1 3 1 1 1 2 2 1 1 2 1 1 2 1 3 1
1 3 5 2 1 1 1 2 2 1 3 1 1 1 1 1 1

STUDENT NO. 39
3 4 3 4 2 2 4 2 2 5 4 3 3 3 3 2 1 2 5 1 2 3 3 1
1 2 5 1 2 1 4 5 4 3 3 2 2 2 2 4 3 2 4 2 5 2 1 2
4 3 2 4 4 4 2 4 2 1 1 2 2 2 1 2 2 2 2 2 5 1 2 3
5 1 1 3 3 3 1 2 4 2 1 2 2 1 1 2 2

STUDENT NO. 40
2 5 2 3 2 2 5 1 2 3 1 2 3 2 2 2 1 2 5 2 5 1 5 5
1 5 4 1 2 2 5 3 4 3 3 3 5 5 4 1 3 3 4 2 5 2 1 1
4 3 5 5 5 4 2 5 3 1 1 1 1 1 2 1 1 2 2 2 5 1 1 1
1 5 2 5 1 1 5 5 5 3 3 1 3 2 1 1 5
```

STUDENT NO. 41
```
2  4  3  4  1  1  5  2  2  5  3  3  5  5  1  1  1  2  5  1  3  2  4  5
1  5  4  1  2  2  5  3  4  3  3  2  5  3  3  1  3  3  5  3  3  2  4  1
4  2  5  4  5  4  2  5  3  1  1  1  1  3  1  1  1  1  2  2  5  1  1  2
1  3  1  2  1  1  5  5  5  4  3  1  1  1  1  1  1  1
```

STUDENT NO. 42
```
5  5  2  2  1  1  5  3  3  4  2  3  1  1  1  3  1  1  5  5  5  1  3  3
1  5  5  1  1  1  5  3  5  3  3  3  5  2  4  1  3  3  5  3  4  2  5  1
4  2  2  4  5  5  1  2  3  1  1  1  1  1  1  2  2  5  3  2  5  1  4  4
1  5  1  5  1  5  5  3  5  5  3  1  1  1  1  1  5
```

STUDENT NO. 43
```
5  4  2  3  2  2  5  1  1  4  2  1  3  1  2  3  1  3  3  5  2  1  5  3
2  4  5  1  1  1  4  5  2  5  5  4  3  3  2  3  3  4  3  3  5  1  2  5
3  2  4  5  5  4  3  5  4  2  2  3  1  2  2  1  1  5  4  2  5  1  5  5
1  5  3  1  2  3  2  2  2  5  3  2  1  2  2  1  5
```

STUDENT NO. 44
```
1  5  5  5  1  1  5  3  3  5  5  1  3  3  3  1  5  5  5  5  4  3  5  5
1  5  3  1  1  1  5  2  3  3  4  5  4  4  5  1  1  1  3  3  5  3  5  2
5  5  4  3  3  5  5  4  4  1  1  1  2  4  3  1  1  3  4  1  3  1  5  5
1  4  1  3  1  1  2  1  1  5  1  1  3  1  3  4  3
```

STUDENT NO. 45
```
3  4  4  3  1  1  5  3  2  1  3  2  1  1  2  1  1  3  5  1  3  3  3  4
1  1  3  1  1  1  5  3  3  3  3  4  4  2  2  2  4  1  3  3  5  2  1  3
3  1  2  3  3  5  3  4  5  3  2  2  3  3  3  3  1  5  5  2  2  1  5  4
2  5  3  3  3  3  5  5  5  3  3  1  1  3  3  3  3
```

STUDENT NO. 46
```
3  5  4  3  2  2  4  2  4  4  4  4  2  4  4  2  2  4  4  2  2  4  4  4
2  2  2  2  2  2  4  2  2  2  2  2  2  2  2  2  4  4  2  2  4  4  4  4
2  2  2  2  4  3  2  2  2  2  2  1  3  2  2  2  2  2  2  2  5  2  2  2
2  5  3  3  3  1  3  2  1  2  2  1  1  1  1  1  2
```

STUDENT NO. 47
```
3  5  1  5  1  1  5  2  1  4  1  4  4  2  2  2  3  2  5  4  3  4  2  3
2  2  4  2  3  2  5  4  2  2  2  2  4  2  3  2  3  2  3  2  2  1  2  3
2  1  2  4  1  3  3  3  2  2  3  2  2  2  2  2  1  4  4  1  3  1  4  4
1  3  3  4  4  2  4  3  2  3  2  1  2  1  2  4  2
```

STUDENT NO. 48
```
3  4  1  3  1  1  5  3  1  5  2  1  4  3  1  4  1  2  4  5  2  1  1  2
1  4  2  1  1  1  2  4  3  3  4  3  2  4  4  2  3  2  4  2  5  2  3  3
4  3  4  3  5  4  2  4  2  2  2  2  2  1  3  2  1  4  5  1  2  1  5  5
1  3  2  3  1  1  2  2  2  3  3  1  1  1  2  3  4
```

STUDENT NO. 49
```
3  1  2  2  3  4  4  3  2  5  5  1  1  5  3  2  1  3  2  5  5  1  3  1
1  5  3  1  1  1  5  3  5  3  3  2  2  3  3  4  3  5  3  3  5  4  4  3
4  4  3  3  2  5  4  5  4  1  2  2  2  3  3  3  2  5  5  4  5  1  5  5
1  5  3  2  4  3  4  5  3  5  4  1  1  1  1  1  2
```

STUDENT NO. 50
```
3  4  4  3  1  2  5  3  2  5  1  1  2  1  3  1  3  2  5  4  2  1  2  4
3  2  3  1  3  2  3  2  1  4  3  2  1  1  2  4  3  1  3  4  5  5  5  1
2  4  2  1  2  3  1  2  2  1  1  3  3  3  1  2  2  4  4  1  2  2  5  5
2  5  4  2  3  3  3  3  3  3  3  3  3  3  3  3  3
```

```
STUDENT NO. 51
3  5  2  3  1  2  5  1  1  5  3  1  4  4  1  3  1  2  5  1  1  3  2  2
2  4  3  2  2  1  3  3  4  2  3  4  3  3  1  3  2  4  3  3  5  2  3  2
4  4  3  3  4  5  2  3  2  1  2  2  3  2  2  2  1  2  4  2  3  1  2  4
1  4  1  4  2  1  4  2  1  3  2  1  1  1  1  1  1  2

STUDENT NO. 52
1  3  5  3  1  3  5  2  2  1  2  1  1  2  3  1  3  1  5  1  3  2  3  1
1  2  3  1  2  3  2  5  3  4  2  2  3  3  2  5  3  2  3  4  2  2  3  1
2  2  3  5  3  3  1  3  2  3  3  2  3  3  3  3  2  3  2  2  2  2  4  3
2  5  3  3  2  2  2  2  2  2  3  1  1  1  1  2  1

STUDENT NO. 53
5  4  4  5  1  1  5  2  4  4  1  1  1  2  3  2  5  3  4  5  5  1  1  5
5  5  5  1  1  1  5  1  5  5  5  5  1  5  5  5  5  5  5  5  5  5  1  5
5  5  5  5  5  5  5  5  5  1  1  5  5  5  1  5  2  5  5  5  1  1  5  5
1  5  5  5  5  5  5  1  2  1  5  1  5  1  1  5  3

STUDENT NO. 54
3  4  3  3  4  2  5  2  4  5  5  1  3  3  3  1  1  5  5  1  5  1  1  1
2  3  5  3  2  2  5  5  2  3  5  4  5  3  3  5  5  2  1  3  3  3  1  5
2  3  3  2  4  3  3  3  3  3  3  3  2  4  2  2  1  1  3  2  3  1  2  3
3  4  2  3  1  4  3  2  2  1  3  2  2  1  2  3  2

STUDENT NO. 55
4  5  2  4  1  1  5  2  2  5  4  1  4  4  1  2  1  1  5  2  2  3  3  1
2  3  2  1  2  1  3  1  4  3  3  2  2  4  3  3  2  2  3  2  4  2  1  3
2  2  3  2  5  4  2  3  2  1  1  2  3  2  2  1  1  2  4  2  4  1  4  4
2  5  1  3  2  1  3  2  1  4  1  1  2  2  2  2  2

STUDENT NO. 56
3  1  5  3  4  3  5  3  3  1  1  1  1  1  3  5  3  5  1  3  5  1  1  1
1  5  3  1  1  3  3  1  3  5  1  3  3  2  4  3  4  2  3  5  4  3  1  3
4  5  3  2  1  5  2  4  2  1  1  1  3  5  3  2  2  3  4  3  5  2  4  4
3  5  5  1  4  4  1  4  5  1  3  1  3  1  1  2  3

STUDENT NO. 57
2  2  3  4  1  2  5  1  2  5  1  1  1  4  1  1  3  1  5  1  1  3  3  1
1  1  2  1  1  1  5  1  2  3  4  3  2  1  1  2  1  1  3  1  5  1  3  1
2  3  2  3  3  2  1  2  1  1  1  1  2  1  1  1  1  1  1  2  3  1  3  3
1  3  4  1  1  1  3  3  1  4  1  1  1  1  1  1  1

STUDENT NO. 53
2  3  4  3  2  2  5  2  3  5  4  3  1  2  3  1  1  2  5  1  2  1  3  2
2  3  4  1  1  1  5  4  2  4  2  3  4  2  2  3  2  2  3  1  3  2  3  2
4  3  3  2  4  4  1  4  3  2  1  2  2  3  3  2  2  2  3  4  2  2  4  4
3  4  2  3  4  2  2  4  4  4  1  1  1  1  1  1  1

STUDENT NO. 59
5  4  1  2  1  1  4  3  1  5  4  2  4  2  2  1  1  2  5  2  2  1  1  1
1  2  2  1  1  1  4  5  2  1  4  4  2  1  2  2  2  4  4  1  4  1  1  2
4  2  4  2  5  4  1  4  2  1  1  1  1  2  2  1  1  5  4  1  2  1  5  5
1  5  1  3  1  5  1  2  4  1  3  1  2  1  1  1  1

STUDENT NO. 60
4  2  3  2  2  2  4  3  3  4  5  2  4  2  2  1  2  1  5  2  2  2  3  1
1  2  1  1  1  2  1  1  1  2  5  1  2  1  2  3  2  1  2  2  5  1  4  1
1  1  2  2  1  2  2  4  1  1  1  1  1  2  2  2  1  1  1  1  2  2  3  4
1  5  5  3  1  1  4  4  1  2  1  1  1  1  1  1  2
```

STUDENT NO. 61
```
4 3 4 2 2 2 3 3 3 4 1 2 3 1 2 2 1 4 5 3 2 2 2 1
1 2 3 1 1 1 3 1 3 3 2 2 2 2 3 2 3 3 4 2 2 2 1 3
3 3 5 3 5 3 3 3 2 2 2 2 2 5 2 2 2 2 4 2 5 2 2 3
2 5 3 2 2 1 2 1 1 3 3 2 2 2 3 2 3
```

STUDENT NO. 62
```
5 3 4 5 3 3 3 3 3 4 5 4 2 4 3 2 2 3 4 3 3 1 3 2
2 3 4 2 3 2 4 3 3 3 3 4 4 3 3 3 3 3 4 3 5 2 1 4
4 4 5 4 4 3 4 4 4 2 1 3 3 3 3 2 2 4 3 2 5 1 4 3
1 5 2 3 2 2 3 3 3 3 3 3 3 2 1 3 3
```

STUDENT NO. 63
```
1 4 3 4 1 2 5 2 2 4 4 4 3 5 2 1 1 1 5 1 4 3 3 3
1 2 3 1 1 1 3 5 3 3 2 1 3 2 2 4 3 2 5 5 5 3 1 2
3 4 5 5 5 2 1 5 3 3 1 2 2 3 1 2 1 5 4 1 5 2 5 5
2 5 3 3 3 5 4 1 2 3 2 1 1 2 1 1 2
```

STUDENT NO. 64
```
2 4 2 2 2 4 4 2 2 1 1 1 1 1 2 4 2 2 3 4 3 2 1 1
1 4 2 2 2 1 5 3 4 4 4 2 4 4 3 3 4 4 2 2 5 4 2 2
5 5 5 5 3 5 2 4 5 1 1 3 1 5 5 5 5 5 5 2 2 5 5 5
2 2 1 1 1 1 5 5 1 5 5 5 5 5 1 1 3
```

STUDENT NO. 65
```
5 5 2 1 1 2 5 1 2 5 3 1 1 1 1 1 1 1 4 1 3 2 3 2
2 2 2 1 2 1 3 1 2 4 2 2 3 2 2 3 2 2 2 3 4 3 4 2
2 2 2 2 3 2 2 3 2 2 2 4 3 2 4 3 1 2 2 1 3 1 3 5
1 5 3 2 3 2 5 2 1 1 1 1 1 1 1 1 5
```

STUDENT NO. 66
```
3 4 4 5 2 2 4 2 3 5 4 3 3 3 4 2 1 1 5 5 2 3 2 4
3 1 3 1 3 2 3 2 2 2 3 2 3 1 3 3 3 3 2 3 4 3 3 2
1 2 2 3 1 2 4 3 2 2 2 4 2 3 1 1 2 1 4 1 5 3 3 3
3 3 3 3 2 1 3 3 1 2 2 1 1 1 3 3 1
```

STUDENT NO. 67
```
5 1 4 3 2 4 3 2 3 1 1 3 1 1 2 1 2 2 5 2 5 1 1 1
1 5 1 1 1 1 5 5 5 5 5 5 2 5 2 5 5 5 1 2 5 1 1 2
2 2 4 4 2 5 2 4 4 1 1 1 1 3 1 1 2 3 4 3 2 1 2 5
1 5 3 3 3 3 1 1 1 3 1 1 1 1 1 1 1
```

STUDENT NO. 68
```
3 4 1 3 1 1 5 1 1 5 1 1 2 2 3 3 1 1 5 1 5 3 3 3
1 4 5 1 1 1 1 3 3 3 3 2 5 5 3 5 3 1 2 4 5 5 4 3
5 3 5 3 5 1 2 5 3 1 3 3 1 1 3 4 1 5 5 1 5 1 3 5
1 5 3 3 3 4 1 3 4 3 1 1 1 2 3 3 5
```

STUDENT NO. 69
```
4 3 4 5 3 2 2 3 3 4 1 1 1 5 3 1 1 1 5 1 4 2 3 1
1 2 4 1 1 1 5 3 3 2 2 3 2 2 2 3 3 3 4 5 5 3 1 2
2 2 4 4 4 5 2 3 1 2 1 1 2 2 2 2 2 5 4 1 5 2 5 5
1 5 1 1 1 1 5 1 1 3 1 1 1 1 1 1 2
```

STUDENT NO. 70
```
5 5 4 5 1 3 5 1 4 5 5 2 3 5 4 3 5 5 5 2 3 5 5 1
1 4 5 1 4 1 4 4 3 3 4 2 3 2 3 3 3 4 3 1 3 2 2 2
4 2 2 3 4 3 2 3 2 1 3 5 5 3 1 1 2 5 5 2 2 1 3 3
1 1 1 2 1 2 4 4 1 4 3 1 1 2 2 2 3
```

STUDENT NO. 71
```
4  3  4  5  3  3  4  3  3  3  1  3  2  3  3  2  3  3  4  3  3  2  3  2
2  3  3  2  3  3  3  3  3  3  4  3  4  3  3  3  3  3  4  3  2  4  2  3
3  3  3  3  4  3  2  3  3  3  2  3  3  3  3  3  2  3  4  2  4  2  4  4
2  4  3  3  2  2  3  3  3  3  3  2  2  2  1  3  3
```

STUDENT NO. 72
```
3  1  2  5  1  2  5  2  2  5  2  1  3  4  2  1  2  2  5  2  1  3  3  2
1  2  3  1  1  1  3  5  4  3  4  2  3  2  2  3  3  3  4  5  2  2  3  1
2  2  1  3  3  3  1  3  2  2  2  1  2  1  1  3  1  1  1  3  3  1  3  5
1  4  3  3  2  1  3  3  1  2  1  1  1  1  1  1  2
```

STUDENT NO. 73
```
1  3  2  1  1  1  4  3  1  3  1  1  4  1  2  1  1  1  3  2  3  2  2  2
2  5  5  3  3  3  5  3  2  2  2  3  5  2  3  3  3  3  3  3  3  3  3  2
3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  3  5  5  5  5  5  5  5  5
5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5
```

STUDENT NO. 74
```
5  3  1  3  1  1  5  2  2  5  4  2  4  3  2  2  1  2  4  1  2  1  2  3
3  2  4  1  1  1  4  2  3  2  2  4  4  2  3  3  3  4  2  2  4  4  1  4
4  3  5  2  5  4  1  3  2  1  1  3  2  1  1  1  2  5  5  1  4  1  5  5
1  5  1  5  5  2  5  5  1  4  1  1  1  1  1  1  5
```

STUDENT NO. 75
```
5  1  5  5  3  3  2  2  3  1  1  1  1  1  1  1  1  1  3  3  5  3  1  5  1
1  1  5  1  1  1  5  1  2  2  1  1  1  1  1  5  3  1  5  3  5  4  2  3
2  2  2  2  3  3  2  3  3  3  3  3  1  5  1  1  1  3  3  2  2  1  2  4
1  4  3  5  2  2  1  1  1  3  3  1  1  1  1  1  1  1
```

STUDENT NO. 76
```
4  4  4  2  2  2  4  3  3  2  2  2  2  4  3  2  2  2  4  2  2  2  4  4
2  2  2  2  2  2  4  4  2  2  2  3  2  2  2  2  2  2  2  2  2  2  4  2  4
2  2  2  2  4  2  2  3  2  2  2  2  2  2  2  2  1  2  2  2  2  1  2  3
2  4  2  3  2  1  4  1  1  2  1  1  1  1  1  1  2
```

STUDENT NO. 77
```
4  4  2  1  1  2  5  1  2  1  4  1  2  4  2  1  2  1  4  2  2  2  2  2
2  2  2  1  2  2  4  4  2  4  2  3  2  1  1  2  2  2  2  4  2  4  4  4
2  2  3  2  3  3  2  2  2  2  2  4  4  3  2  3  2  4  3  1  1  1  5  5
1  2  4  3  2  1  5  2  1  1  2  1  1  1  1  1  3
```

STUDENT NO. 78
```
2  5  2  3  2  2  5  3  2  5  3  2  5  5  2  1  1  1  5  3  1  1  2  1
1  1  2  2  2  2  4  4  1  2  4  1  5  1  2  1  2  2  4  3  4  1  4  1
2  1  2  2  3  2  1  3  1  3  2  1  2  2  3  2  1  1  1  1  3  3  3  3
3  4  3  3  1  1  4  4  1  2  3  1  1  1  1  1  3
```

STUDENT NO. 79
```
4  5  4  5  2  1  4  3  2  5  1  1  1  2  1  1  2  3  4  2  2  2  2  3
1  1  2  1  2  1  3  2  1  3  2  2  3  2  2  4  3  3  4  4  4  3  5  1
3  4  3  2  3  4  1  3  2  1  2  3  2  3  3  2  1  4  4  1  3  1  2  3
1  4  2  2  1  2  2  3  4  3  4  2  2  1  3  2  3
```

STUDENT NO. 80
```
5  1  5  5  5  5  1  5  5  1  1  1  5  1  5  1  5  1  1  5  1  1  1  3
1  5  5  1  1  1  3  1  3  5  1  3  5  1  3  3  1  3  3  3  5  5  1  3
4  1  4  2  1  3  1  4  1  1  1  3  5  4  2  1  2  5  5  2  3  3  3  3
2  5  4  2  2  2  4  1  1  3  5  1  1  1  1  3  3
```

```
STUDENT NO. 81
 3  2  2  5  1  1  4  2  2  5  4  2  5  5  1  1  1  2  5  3  3  2  3  2
 2  1  4  1  1  2  3  2  3  3  2  2  3  2  2  3  2  2  2  2  3  2  5  1
 3  2  2  4  3  5  2  3  2  2  2  1  2  2  3  2  1  3  2  3  3  1  4  4
 2  4  3  3  3  2  2  2  2  3  2  1  1  1  2  2  1

STUDENT NO. 82
 3  5  4  5  2  4  4  3  3  3  1  5  1  1  2  1  4  4  2  4  4  2  2  2
 1  1  4  1  1  1  5  4  2  1  2  1  1  1  1  1  3  1  1  3  3  1  1  5  1
 1  1  3  4  2  4  1  3  1  1  1  1  1  1  1  1  1  2  2  1  1  1  4  4
 1  3  2  2  1  1  1  1  1  1  1  1  1  1  1  2  2

STUDENT NO. 83
 4  4  2  3  2  2  4  2  2  5  4  2  2  2  1  1  1  2  5  1  1  3  5  1
 1  2  2  1  1  1  4  1  1  4  2  1  4  2  1  3  2  1  5  1  5  1  2  1
 1  2  2  3  5  1  1  4  1  4  1  1  5  3  2  4  1  5  5  1  1  1  4  4
 1  3  3  1  4  5  1  4  5  4  2  1  1  1  1  1  2

STUDENT NO. 84
 4  2  4  5  2  2  4  3  3  4  3  1  1  1  4  2  2  3  5  5  1  3  3  1
 1  2  4  1  1  1  4  3  2  3  3  2  2  2  2  2  2  3  3  2  2  2  4  2
 2  4  3  2  4  4  1  3  1  1  1  1  1  1  1  1  1  5  4  1  2  1  4  4
 1  2  2  2  2  2  3  2  2  4  2  1  1  1  1  2  1

STUDENT NO. 85
 3  4  4  3  2  4  4  4  4  2  1  2  2  1  2  1  1  3  1  5  1  3  3  1
 1  1  3  1  1  2  3  1  2  3  3  2  2  1  2  3  2  3  3  3  5  3  3  1
 2  2  1  3  3  4  2  4  2  1  1  1  1  2  2  2  1  2  3  2  2  1  2  3
 1  4  4  3  3  3  1  2  2  3  1  1  1  1  1  3  1

STUDENT NO. 86
 3  4  2  3  2  4  4  2  2  5  1  3  1  1  2  5  5  1  4  5  2  2  4  2
 2  3  5  1  1  1  3  3  2  3  4  2  4  1  2  3  2  2  4  4  4  3  5  2
 2  2  2  3  3  4  2  4  2  2  2  1  2  2  2  2  1  4  2  1  1  1  5  5
 1  2  3  1  1  2  1  1  2  2  1  1  1  1  1  2  2

STUDENT NO. 87
 2  4  2  3  1  2  4  2  2  5  3  1  1  1  2  1  1  2  5  2  1  3  5  1
 1  2  2  1  1  1  5  1  2  3  2  2  1  1  1  1  4  2  5  4  5  3  2  2
 2  2  2  4  5  4  1  3  4  4  1  4  2  4  4  2  1  5  4  1  4  1  5  5
 1  4  4  3  1  3  1  2  4  4  2  2  1  1  1  1  2

STUDENT NO. 88
 1  3  5  5  2  3  3  3  3  5  5  1  5  1  3  2  1  3  1  5  2  1  1  1
 1  1  3  1  1  1  5  5  3  4  4  2  4  1  3  4  2  1  5  3  5  1  2  1
 3  4  4  4  4  5  3  4  2  1  2  1  3  2  3  3  1  5  2  2  2  1  5  5
 1  3  1  2  3  3  2  1  3  4  1  1  1  1  3  3  2

STUDENT NO. 89
 5  5  1  3  1  1  5  1  2  4  5  2  3  2  1  1  4  3  4  5  4  2  2  1
 1  3  5  1  2  1  1  5  2  4  3  2  4  2  2  2  2  2  2  4  4  3  1  2
 2  3  3  4  5  4  1  2  2  1  2  1  2  2  1  3  2  4  3  1  1  1  2  2
 2  2  3  2  3  4  1  2  2  2  1  1  1  1  1  2  1

STUDENT NO. 90
 3  4  3  3  2  2  4  3  3  3  4  1  2  4  2  1  2  3  4  4  2  3  3  1
 1  2  3  2  2  1  3  3  2  3  2  2  2  2  2  3  2  3  3  3  2  2  4  4
 2  3  2  3  3  4  2  3  3  3  3  3  3  3  3  3  3  3  3  3  3  1  2  4
 1  4  4  2  4  4  3  2  2  2  3  2  2  2  2  2  4
```

```
STUDENT NO. 91
5  3  3  4  3  3  3  3  3  4  5  2  1  1  3  1  1  1  5  1  3  2  2  2
2  3  4  1  1  1  5  5  1  3  3  2  3  1  2  4  3  3  3  3  4  2  3  3
2  3  3  2  3  3  1  4  2  1  1  1  1  2  3  2  2  2  1  2  2  1  3  3
1  3  2  1  2  2  3  2  1  3  1  1  1  1  1  1  1

STUDENT NO. 92
5  4  2  3  1  1  5  1  2  5  5  1  3  5  1  5  1  1  5  1  3  1  1  1
1  1  3  3  3  1  4  1  1  3  4  2  4  1  1  1  1  2  1  1  4  1  3  2
2  2  2  2  1  1  1  2  1  1  4  3  2  2  2  1  1  1  1  2  2  1  1  1
1  2  2  1  1  1  2  2  3  4  1  1  1  1  1  1  1

STUDENT NO. 93
2  5  2  3  1  2  4  3  2  4  3  3  3  2  2  2  3  2  3  2  2  1  3  1
1  2  2  1  1  1  4  2  2  3  3  2  2  1  2  2  2  2  3  2  2  2  1  2
2  2  2  2  4  2  2  2  2  2  2  2  2  2  2  3  1  2  3  1  1  1  3  3
1  1  3  2  1  1  2  3  3  1  1  1  1  1  2  1  2

STUDENT NO. 94
5  5  4  3  2  4  5  2  3  5  4  1  1  5  2  1  1  1  5  1  3  1  5  3
3  2  4  1  1  2  3  2  2  3  4  1  2  1  2  3  1  1  4  2  1  2  5  1
1  2  2  5  2  3  1  4  2  2  1  2  1  2  2  3  1  2  2  1  1  1  3  1
1  1  5  3  3  1  1  1  1  5  5  1  1  1  1  1  1
```