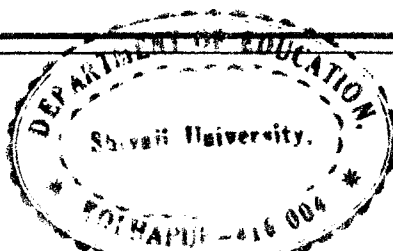


# ***APPENDICES***



Confidential



Consumable Booklet  
of

**T C W**

(English Version)

T. M. No. 458715 Dr. Baqer Mehdi (New Delhi)

Please fill up the following :—

Name---

Age---

Class---

School/College---

Father's/Guardian's name---

Occupation---

Home address---

Date---

## General Instructions

In this booklet you will find mentioned some interesting problems which will require the use of your thinking ability and imagination to solve them. The purpose is to see how quickly and imaginatively you can think under situations which require novel ways of dealing with them. Read each problem carefully and apply your best thinking in giving the responses. **Write your responses either in English or in your mother tongue.** Responses have to be given briefly but clearly in the space provided under each problem. Give a serial number to each of your responses. There are no right or wrong responses to any of these problems. Therefore use your imagination to think of as many responses as you can.

The problems are divided into *Four Activities*. Each *Activity* is separately timed. Within the time-limit for each *Activity*, you may work on the different problems according to your speed. When you finish one problem, go to the next. If necessary, you may return to the previous one again for any addition you would like to make. Remember that you have not to go the next *Activity* until the time for the first *Activity* is over and you are told to proceed further.

At the end you will be given *5 minutes extra time*, which you may use at any problem of any *Activity* in which you want to do additional work.

Please do not omit any problem.

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**Activity 1****What will happen, if .....****Directions**

1. On this and the next page, you have been given some situations which will appear to you impossible. You have to think what would happen if such situations actually arise.
2. Give as many ideas as may come to your mind but try to think as many novel ideas as you possibly can. Ideas which you think no one else might have thought of what would be the best. Write your responses in the space provided for.
3. You will be given 15 MINUTES for this activity. After every five minutes you will be told the time so that you may move on to the next problem in the activity.

An example has been given which will help you to know what you have to do.

**Example**

**Question :** What will happen if birds and animals start speaking like man ?

**Responses :** (i) This world will change into a different kind of society.

(ii) New leaders will emerge from amongst the animals.

(iii) It is possible that a donkey will become our leader.

(iv) It is also possible that he becomes our Prime Minister.

(v) Men may confide their secrets to their animal friends, etc.

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**PROBLEMS**

1. What will happen if man flies like birds ?

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2. What will happen if your school is put on wheels ?

3. What will happen if man does not require any food to eat ?

**Activity 2****NOVEL USES OF THINGS****Directions**

1. On this and the next page, you have been given names of certain things which could be used in many different ways. You have to think in how many different and new ways the things may be used.
2. Write as many uses as you can, but do try to think also those which are novel, that is, those which you think no one else might have thought of.
3. You will be given 12 minutes for this activity. After every four minutes you will be told the time so that you may move on to the next item in the activity.

Below is given an example which will help you to know what you have to do.

**Example :** News-paper

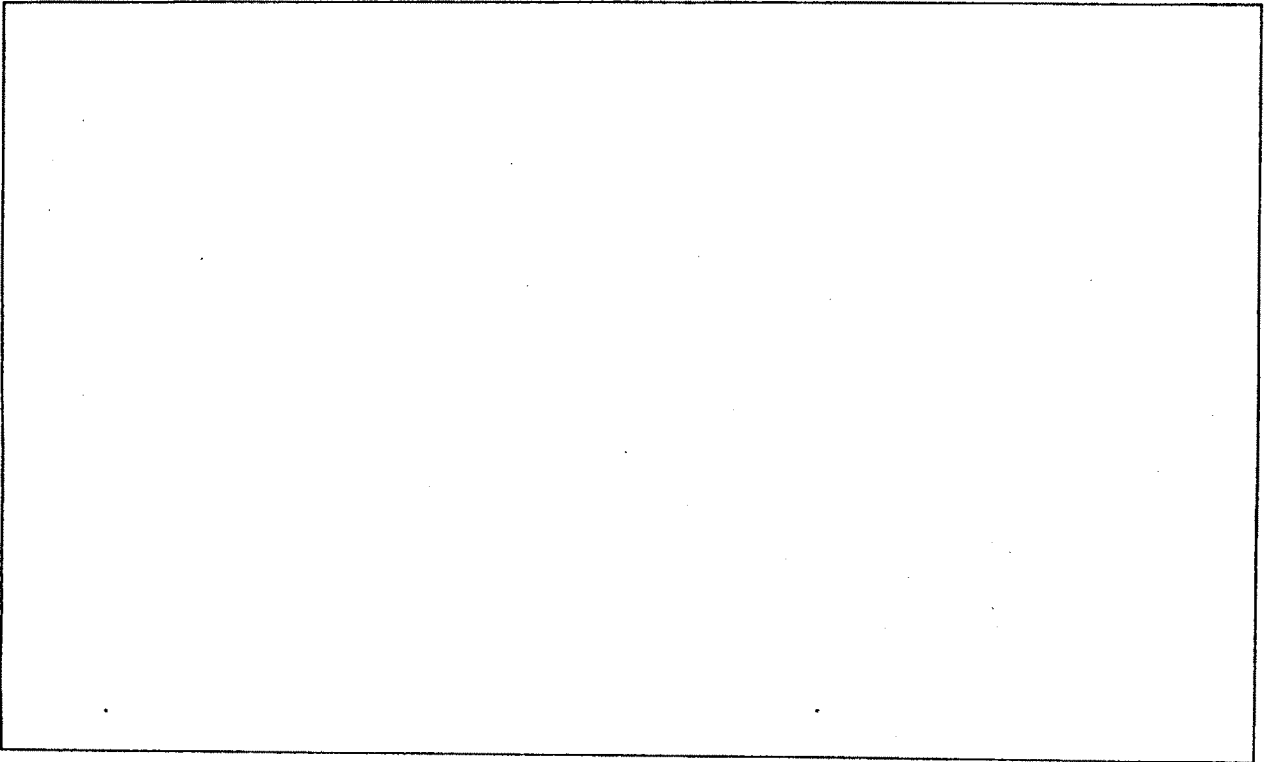
- Uses :**
- (i) To read the news.
  - (ii) To make paper Toys.
  - (iii) To get protection from the sun.
  - (iv) To wrap something.
  - (v) To cover a dirty place, etc.

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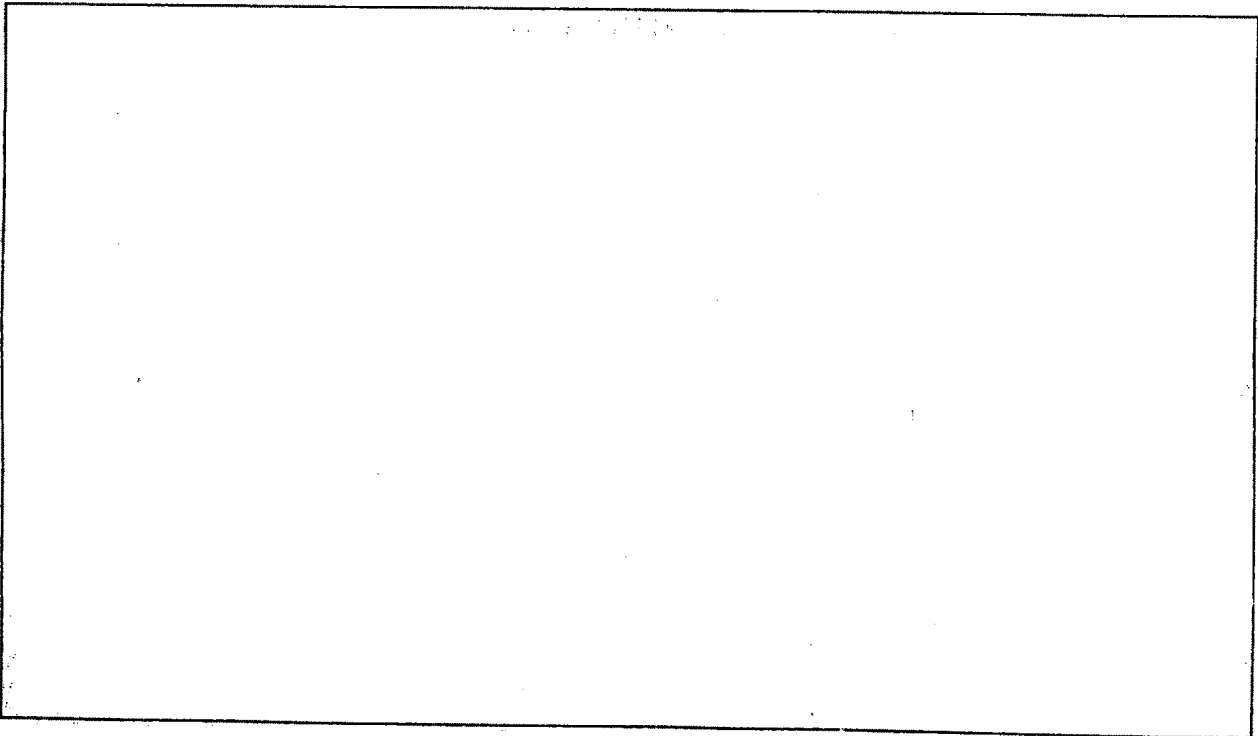
**PROBLEMS**

1. Piece of stone

## 2. Wooden stick



## 3. Water



**Activity 3****SIMILARITIES****Directions**

1. On this and the next page, you have been given pairs of world which can be related to each other in many different ways. You have to think in how many different and new ways are they related.
2. Write as many relationships as you can, but also try to think those which are novel, that is, those which you think no one else might have thought of.
3. You will be given 15 minutes for this activity. After every 5 minutes you will be told the time so that you may move on to the next problem in the activity.

Below is given an example which will help you to know what you have to do.

**Example :** Man and animal

**Relationship :** (i) Both have life.

(ii) Both need food and water.

(iii) Both can fall ill.

(iv) Both are afraid of enemy.

(v) Both have the experience of feeling cold and hot, etc.

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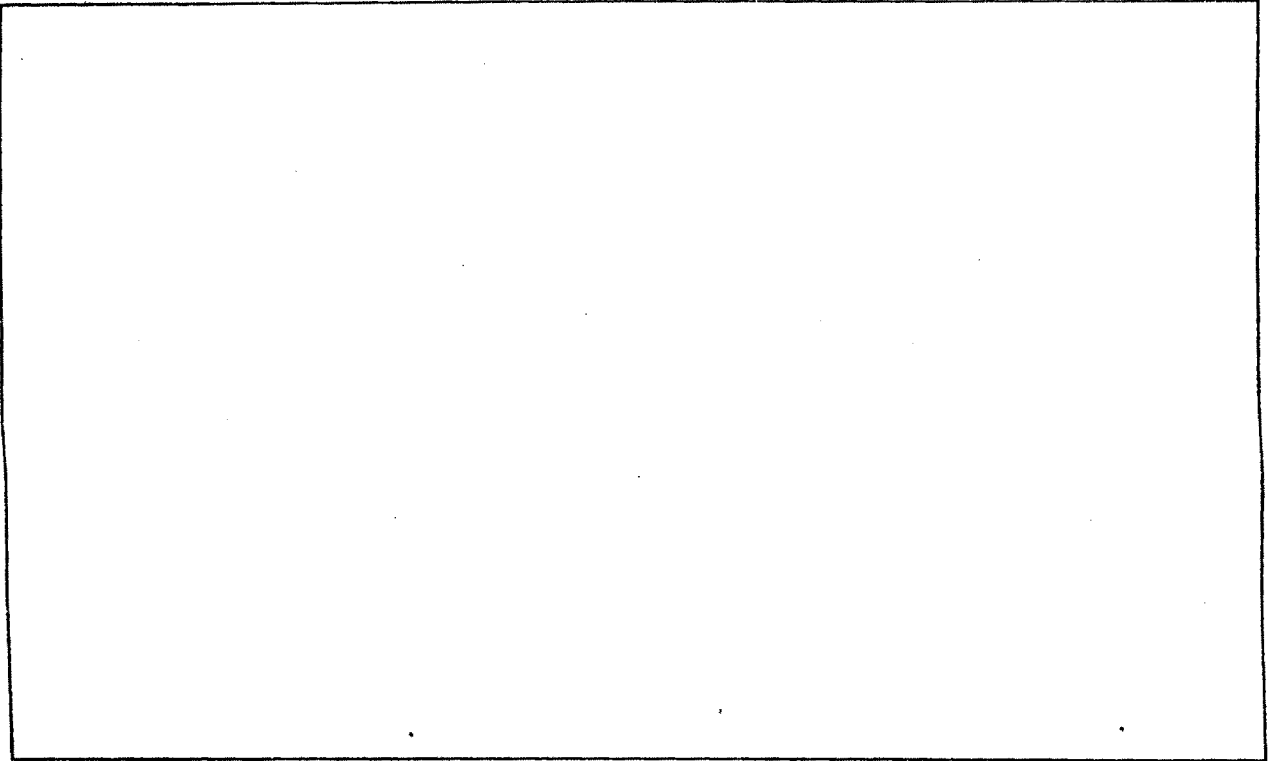
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**PROBLEMS**

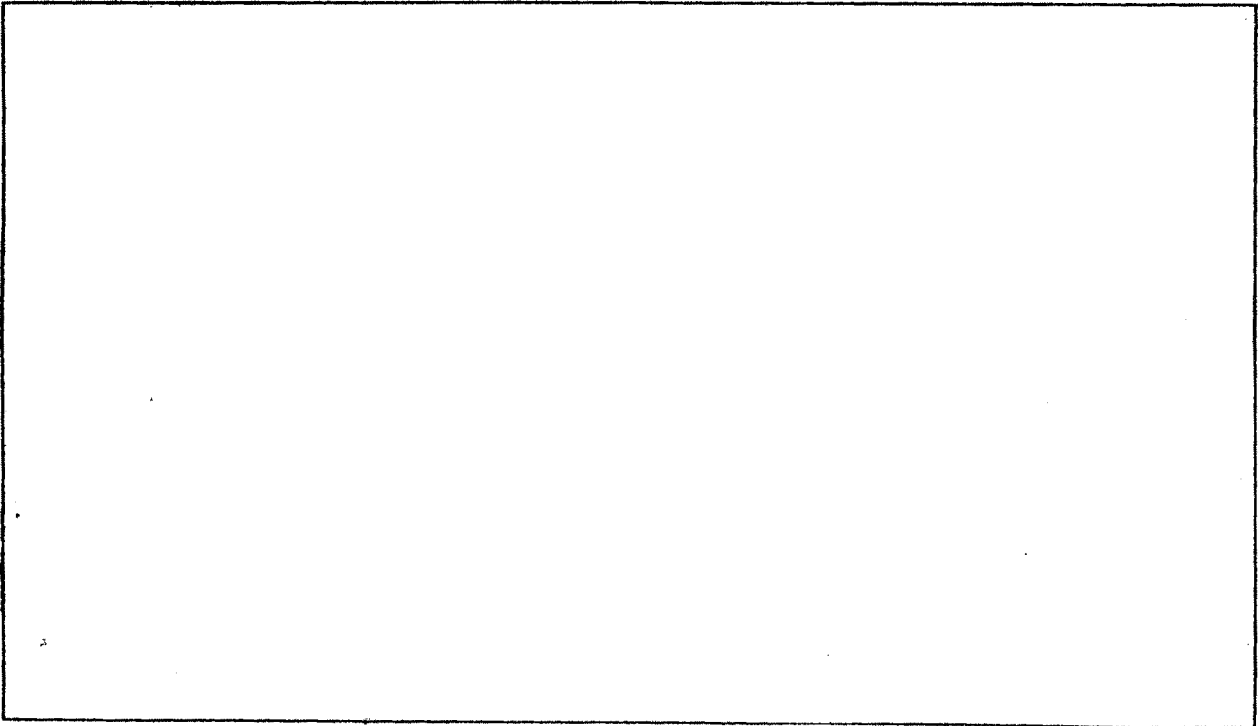
1. Tree and House

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## 2. Chair and Ladder



## 3. Air and Water





## Activity 4      **Making Things More Interesting and Useful**

### **Directions**

Just keep in mind a simple model of a horse. You have to imagine in what ways you can change this simple model into an interesting and novel one for children to play with. You may think of adding any number of parts or accessories in order to make it really interesting and fascinating for children. Do not bother about the cost of the new parts or accessories that you would like to use in order to make the toy model interesting and fascinating for children.

Write all the ideas which come to your mind in a serial order in the space given below.

You will be given 6 minutes for this activity.

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**Scoring Sheet**

# **T C W**

## **ACTIVITY 1**

	Fluency	Flexibility	Originality
Item 1			
Item 2			
Item 3			
Total			

**ACTIVITY 2**

	Fluency	Flexibility	Originality
Item 1			
Item 2			
Item 3			
Total			

**ACTIVITY 3**

	Fluency	Flexibility	Originality
Item 1			
Item 2			
Item 3			
Total			

**ACTIVITY 4**

	Fluency	Flexibility	Originality
Item 1			

**SCORE SUMMARY**

	Fluency	Flexibility	Originality
Activity 1			
Activity 2			
Activity 3			
Activity 4			
Grand Total			

*See back page for further instructions regarding originality scorings.*

For any novel response not mentioned in the response list given in the manual, first of all briefly note it down in the space provided below giving the number of the activity and the item to which it belongs. Then, after you have scored all the test scripts, give it a score according to the scheme given in the manual and note the score in the appropriate column in the Scoring Sheet. In all probability, there will be very few such responses.

Activity	Item	Response	Originality Score



T. M. No. 458715

S. K. Pal (Allahabad)

K. S. Mishra (Allahabad)

Reusable Booklet

of

T. M. No. 458715

(English Version)

## INSTRUCTIONS

We want to measure your General Mental Ability. There are 6 tests in this intelligence test. There are 10 questions in every test for solving of which you will be given only 4 minutes time.

In the beginning of this test, you will be made to understand the method of solving and writing the answers of these 6 tests with examples. You will be given a time of 24 minutes for understanding these instructions. After every 4 minutes you will be asked to solve the questions of the next test. Unless you are told, the questions of the next test are not to be read. If you complete the answers of all questions of any test before 4 minutes, then check your answers in the remaining time.

Write your answers on answer-sheet only. Do not write anything on this booklet. Time is short, so read the questions quickly and think over the answers. It is not expected that you would answer all the questions correctly. So do not waste time in answering after thinking for more time.

Estd. 1971

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## Instructions and Examples for Practice

### Test I

Related with the ability of telling the *meaning of words*. Word written in front of the question number is the original word. Four words are written in front of each word after a sign of =, amongst which one is the correct meaning of the original word. Find out that word and write its symbol-letter on answer-sheet against that question number.

**Example 1.** *Permanent* = (a) *Immortal*, (b) *Ancient*, (c) *Immutable*, (d) *Durable*

Here the correct meaning of original word 'permanent' is 'durable' which is at symbol letter (d). Therefore the answer is (d). See the answer-sheet on which (d) is printed against example 1.

### Test II

Related with *analytical thinking*. You will come across with the following type of questions —

**Example 2.** *Fruit : Seed :: Fingers : (a) Skin, (b) Blood, (c) Bone, (d) Nails.*

First, try to find the relation between two things / creatures / actions / materials / given before the sign : :: Then think with which thing / creature / action / material / ..... etc. the similar relation exists with the thing given after the symbol : :: Write your answer given in (a), (b), (c) or (d) on the answer-sheet against the related question number.

In example 2, fruit and seed are printed before the symbol : :: The relation between fruit and seed is that the seed is found inside the fruit. Similar relation is between 'finger and bone'. Therefore the answer of example 2 is (c). See the answer-sheet.

### Test III

Related with *classification ability*. In front of every question no., a word is given against each (a), (b), (c), (d) and (e) letter symbols. Every two members are different in every group of five members. Find these two different members and write their letters against related question number on the answer-sheet.

**Example 3.** (a) *Fly*, (b) *Mosquito*, (c) *Cholera*, (d) *Tuberculosis*, (e) *Small pox*.

In this group words of (c), (d), (e) are the names of diseases whereas (a) and (b) are the names of insects. So two different members of this group are 'fly' and 'mosquito' which are at (a)

and (b). Therefore on answer-sheet against question number example 3, (a) and (b) shall be written. See answer sheet.

#### Test IV

Related with *numerical ability*. An incomplete series of number is given against each question number. Try to understand the relation between the members of every series and think over the proper number which can be written in place of sign (.....). Write this number against the related question number on the answer-sheet.

**Example 4.** 1, 3, 5, 7, (.....)

In this number series smallest number is 1. Next number after this is 2 more than the previous. The next number written after 3 is greater by 2. The difference between 7 and 5 is 2. So in place of (.....) number 9 can be written. See the answer-sheet. 9 is written against question number 'Example 4'.

#### Test V

Questions given in this test are related with *ability of code transformation*. To make understand the method involved in making the code a word and the code is given in each question. Read them and try to think how code is formed. Decide one rule and on the basis of this rule change the other given word in code or code into word.

**Example 5.** If code of CALL is BBKM then KBSF is symbol of which word ?

Here BBKM is the code of CALL. In alphabets, third and first letter of code word comes before the third and first letter of original word and second and fourth letter of code word comes after second and fourth letter of original word. Therefore K B S F code will be used for original word LATE because after K and S letters come L and T letters and before B and F come A and E letters. See answer sheet. Against question no. Ex. 5, LATE is printed.

#### Test VI

In every question two statements 'a' and 'b' and one inference is given. Read both the statements carefully and think whether the inference is based on both the statements. Put a cross ( × ) against that question number which you feel that inference is not based on the statements. Put ( √ ) against that question number which you feel that inference is fully based on both the statements.

**Example 6.** (a) Some animals are intelligent.

(b) Politicians are more intelligent.

Inference — Politicians are intelligent social animal.

Above inference is not based on both the statements 'a' and 'b'. Therefore ( ) will be marked against related question number on the answer sheet. See answer sheet.

### TEST I

1. Motive = (a) goodwill, (b) selfish, (c) planning, (d) Intention
2. Separation = (a) separate, (b) deprivation, (c) distant, (d) dispersion.
3. Beauty = (a) beautiful-  
ness, (b) attraction, (c) goodness, (d) elegance.
4. Obstructed = (a) blocked, (b) hindered, (c) restricted, (d) controlled.
5. Enduring = (a) obedient, (b) tolerant, (c) sympathy, (d) suppressed.
6. Taunt = (a) blame, (b) bitter, (c) critical, (d) sarcasm.
7. Unconcerned = (a) neutral, (b) partial, (c) anxietyless, (d) careless.
8. Exhibitory = (a) showy, (b) exhibition, (c) display, (d) decoration.
9. Helpless = (a) powerless, (b) disinterested, (c) disabled, (d) weak.
10. Reprimand = (a) abuse, (b) blame, (c) insult, (d) criticism.

### TEST II

11. Sun : Heat :: Moon : (a) Darkness, (b) Light, (c) Coolness, (d) Eclipse.
12. Radio : Ear :: Picture : (a) Brain, (b) Projector, (c) Eye, (d) Cinema house.
13. Engine : Coal :: Body : (a) Energy, (b) Food, (c) Leg, (d) Muscle.
14. Pencil : Graphite :: Ball pen : (a) Ball, (b) Paper, (c) Ink, (d) Refil.
15. Finger : Nail :: Head : (a) Skin, (b) Hair, (c) Brain, (d) Thin hair.
16. Lazy : Active :: Death : (a) Life, (b) Protoplasm, (c) Sensation, (d) Heart.
17. Painter : Paper :: Tailor : (a) Needle, (b) Cloth, (c) Thread, (d) Sewing.
18. Parrot : Cage :: Water : (a) Animal, (b) Pond, (c) River, (d) Thermos.
19. Goldsmith : Gold :: House wife : (a) Eating material, (b) Rupee, (c) Food, (d) Husband.
20. Interview : Selection :: Vote : (a) Voter, (b) Candidate, (c) Election Process, (d) Public representative.

### TEST III

21. (a) Butter, (b) Ghee, (c) Thickened milk, (d) Rice-milk-sugar, (e) Bread.  
boiled together (Khir)
22. (a) Grass, (b) Saw, (c) Wire, (d) Chisel, (e) Hammer.
23. (a) Match stick, (b) Lamp, (c) Lantern, (d) Cell, (e) Torch.
24. (a) Water, (b) Tea, (c) Coffee, (d) Honey, (e) Milk.
25. (a) Art, (b) Idol, (c) Model, (d) Artist, (e) Picture.
26. (a) Pencil, (b) Ink, (c) Paper, (d) Holder, (e) Ball pen.
27. (a) Ludo, (b) Chess, (c) Tennis, (d) Carrom, (e) Playing cards.
28. (a) Bird, (b) Peahen, (c) Arrow (d) Cloud (e) Vertebrate
29. (a) Tide, (b) Flood, (c) Cold, (d) Famine, (e) Cyclone.
30. (a) Love, (b) Anger, (c) Jealous, (d) Suffering, (e) Affectionate.

### TEST IV

31. 4, 32, 28, 24, (.....)
32. 14, 16, 19, 23, (.....)
33. 2, 3, 11, 12, 21, 22, 32, (.....)
34. 27, 26, 24, 21, 17, 12, (.....)
35. 1, 7, 12, 16, (.....)
36. 1, 2, 6, 24, (.....) 720.
37. 2, 5, 11, 20, (.....)
38. 4, 9, 16, 25, 36, (.....)
39. 3, 6, 18, (.....) 360, 2160.
40.  $1/7$ ,  $4/7$ ,  $8/7$ ,  $13/14$ ,  $19/14$ , (.....)

### TEST V

41. If code of ARREST is BRREST, then what will be the word for code DATCH ?
42. If symbol formula (3, 1, 16) is for CAP, then what will be the symbol formula for TRANSFER ?



43. If DENPING is written for PENDING, then what should be written in place of APPOINT ?
44. If DMGBU is written in place of ELECT, then what should be written in place of EXPEL ?
45. If (13, 5, 1, 14) are used for MEAN, then for which word (11, 9, 4, 14, 1, 11) should be used ?
46. If EFMJ is used as code for DELI, then what code will be used in place of LAUGH ?
47. If code for CUP is PUC, then what will be the code of NEUTRAL ?
48. If REPNERUS is the code of the word SURRENDER, then what will be the code of the word CONFUSING ?
49. If code for ESCAPE is CESEAP, then LEAVES will be the code for which word ?
50. If TDTGOUS is used as a code for word SERIOUS, then for which word the code DNPRED will be used ?

## TEST VI

51. (a) These days dianosor is existenceless.  
(b) Dianosor was a very big reptile animal.  
*Inference* : Many years back very big reptile animals were dead.
52. (a) Hindi is our national language.  
(b) Writers of Hindi use Urdu words.  
*Inference* : Use of Urdu words has helped in making Hindi national language.
53. (a) Those students who are able to dissect insects well, become good doctors.  
(b) Teachers of Zoology are proficient in dissecting insects.  
*Inference* : Doctors can teach dissection process of insects to students of Zoology.
54. (a) Male and Female sex organs are present in unisexual animals.  
(b) Both sex organs were present in the section separated from the body of an animal.  
*Inference* : Animal will not be a unisexual.
55. (a) Some leaders have intelligence below average.  
(b) Some leaders are in habit to meet unsocial elements.  
*Inference* : Leaders having intelligence below average like to meet the persons doing unsocial work.

56. (a) Some fishes fly.

(b) Acrocetes is a fish.

*Inference* : Acrocetes will fly.

57. (a) Some girls marry with the boys chosen by parents in helplessness.

(b) A twenty years old girl married a forty years old person.

*Inference* : The girl married sadly.

58. (a) Persons belonging to bridegroom side kill girls on getting less dowry.

(b) Namita got less dowry at the time of marriage.

*Inference* : Namita will have to lead a life of tension in the bridegroom house.

59. (a) Level of attainment decreases with the increase in anxiety.

(b) Ram lives very much anxious.

*Inference* : Attainment of Ram will be less comparatively to other students.

60. (a) Ram is father of Shyam.

(b) Blood of Ram is of 'A' type.

*Inference* : Blood of Shyam will be like that of father.

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Test of General Intelligence (TGI).

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