APPENDIX 1
THE CURIOSITY TESTS

"These are a series of short tests. The correct answer is what YOU think or believe. You must work on one test at a time. You must not go ahead to the next test before completing the previous one. You will be told when to begin each test. Work as accurately as you can. Try hard to give what you think is the correct answer for each item."

PLEASE STOP
Do Not Turn Page
Until Told To Do So.
CURIOUSITY TEST I
(FOOLISH SAYINGS)

PRELIMINARY FORM

Some of the following statements have parts in them that make them foolish. Other statements are correct. Put an X before the foolish ones; and a check mark before those that are correct.

1. Ram said to Lakshman "I will meet you at the bus stop today. If I get there first I will leave a chalk mark on the gate. If you get there first you rub it out".

2. The policemen were outnumbered by the crowd so they ran away.

3. A car ran over a man on the road. The man got up and said that he ran over the car.

4. The father told the boy to eat the water and drink the apple.

5. The girl was asked to choose between a rose and a stone. She wanted the rose.

6. The boy told his father that he was older than him.

7. Gopal wanted to be a football player. He practised one hour every evening before doing his homework.

8. My grandparents have no daughters and no sons.

9. She picked up the melted ice-cubes and dropped them into the bucket.

10. Sita said "I have three sisters; Lakshmi, Rama and myself."

11. The boy said "Icecream is salty and soda is sweet."

12. Teacher said "Come to the table and I will show you how to draw a crow."

13. Raju told his friend that his cow can fly in the air.

14. There are 7 days in a week and 12 months in a year.
15. The ladder broke when my father was painting the house. He fell down but was not hurt.

16. The boy put his hand in the fire but was not burnt.

17. Wet clothes dry in the sunshine quickly.

18. If you cannot swim you should learn.

19. Sashi ran to school so she would not be late for class.

20. Viji said "I love to eat ice-cream and fruits."

21. A group of boys in a class in school collected 80 paise each to buy a ball and bat.

22. The teacher said to the student "Write the answers to the first 5 questions on the blackboard. You should finish in 80 minutes.

23. I am the child of my father and mother.

24. One boy told another boy that dogs can climb trees and snakes can walk.

25. Sunil and Vijay hit each other many times and Sunil fell down. The teacher said that Sunil's first hit made Vijay fall down.

26. My mother was sleeping and she asked me to wake her up so that she could come to the school to take me home.

27. The girl pushed the chairs and tables in the classroom to one side so that her friends could play games.

28. The wind made the branches and leaves of the tree shake up and down.

29. The teacher climbed upstairs turned right and opened the third door of the room from the end of the hall.

30. He was such a famous child that although he died before he was 10 years old, he left enough money to make all his grandchildren rich.

31. The teacher said "The sun rises in the East and sets in the West."
32. Krishna spent half of 50 paise in buying icecream but still had more left than he had spent.

33. A wheel came off the cycle when my friend was riding. He did not know how to put it on by himself so he rode to the cycle shop for help.

34. Planes go faster than trains and ships.

35. Kamaraj came of an ordinary family but he became a famous man before he died.

36. Give me glasses and switch off the light so I can read my book.

37. "I am very fond of dogs", the boy said as he patted the dog's head before kicking it out of the way.

38. The mother told the robber "Hit me if you like, but please spare the child."

39. There was heavy rain and the bus broke down and stopped. The only sound was the running of the engine in the bus.

40. The first man to climb to the top of the mountain found a hut on the mountain.

41. The man who was stopped for speeding told the policeman that he was hurrying to reach a petrol bunk because there was no petrol in his car.

42. If you cannot read letters of this size you need glasses.

43. He held the flashlight so I could see to change the tyre of my cycle.

44. Geeta wanted to call the new girl in her class but could not remember her name. So she asked the teacher for the girl's mother's name.

45. On their trip to the fire station none of the little children wanted to be the last in the line. The kind teacher solved the problem by letting the last child in line come up and walk with her.
46. The teacher told the children to draw a man in their notebooks.

47. The elephant and the horse were running together. Suddenly the elephant started flying in the air and reached the goal first.

48. The bell rang for prayers in the morning and all the children in the school came to the prayer hall.

49. Ships can sail in the water and fishes can swim.

50. Raju worked fast so he could fill the basket before he ran out of oranges.

51. Two dogs were fighting over a piece of bread. One dog ate off the whole bread first and the other dog ate half of it.

52. Mother told her daughter that at the time of her marriage, the daughter was two years old.
CURIOSITY TEST II
(WHAT DO YOU KNOW)

PRELIMINARY FORM

Directions: All students learn many facts. Some of the facts are learned in school, and some are learned from other places. How many of the following facts do you know? Mark a in front of the correct ending for each of the following items.

1. The first President of India was
   ____ a) Rajendra Prasad
   ____ b) V.V. Giri
   ____ c) Sanjiva Reddy
   ____ d) S. Radhakrishnan.

2. According to legend Ravana was killed by
   Krishna
   Parasuraman
   Rama
   ____ Lakshman.

3. The animal that is called the "Ship of the desert" is the
   ____ a) Deer
   ____ b) Lion
   ____ c) Camel
   ____ d) Hyena

4. The boundary of India in the North is the
   ____ a) Himalayas
   ____ b) Bay of Bengal
   ____ c) Arabian Sea
   ____ d) Deccan Plateau

5. Birds that move on the land and swim in the water are
   Geese
   Parrots
   Hens
   Eagles
6. One of the men to climb the Himalaya mountains was
   ___ a) Edmond Hillary
   ___ b) Armstrong
   ___ c) Gupta
   ___ d) Harry

7. The only bird that is black is the
   ___ a) Kingfisher
   ___ b) Woodpecker
   ___ c) Robin
   ___ d) Crow

8. Gunny bags are made from
   ___ a) Jute
   ___ b) Coconut fibre
   ___ c) Silk
   ___ d) Cotton

9. The first Prime Minister of India was
   ___ a) Indira Gandhi
   ___ b) Lal Bahadur Shastri
   ___ c) Jawaharlal Nehru
   ___ d) Morarji Desai

10. Icecream is made from
    ___ a) Milk
    ___ b) Barley
    ___ c) Rice
    ___ d) Wheat

11. A diamond is made of
    ___ a) Oxygen
    ___ b) Hydrogen
    ___ c) Nitrogen
    ___ d) Carbon

12. The diet of the cow consists of
    ___ a) Insects
    ___ b) Wires
    ___ c) Grass
    ___ d) Stones
13. The Chief Minister of Madras is
   a) K. Karunanidhi
   b) C. Rajagopalachari
   c) M.G. Ramachandran
   d) Kamaraj

14. The flower that has thorns is the
   a) Lily
   b) Lotus
   c) Rose
   d) Jasmine

15. Dhal is used in preparing
   a) Coffee
   b) Icecream
   c) Sambar
   d) Tea

16. Mango is a fruit that is available in the
   a) Summer season
   b) Winter season
   c) Rainy season
   d) Autumn season

17. The people of South India eat mainly
   a) Barley
      Rice
      Corn
      Ragi

18. To square a number you must
   a) Multiply it by two
   b) Add it to two
   c) Multiply it by itself
   d) Divide it by two

19. Whales are big animals. Some of them are more than
   a) 25 feet long
   b) 50 feet long
   c) 75 feet long
   d) 100 feet long
20. Maiza is another name for
   ___ a) Rice
   ___ b) Wheat
   ___ c) Barley
   ___ d) Corn

21. The animal with the longest neck is the
   ___ a) Camel
   ___ b) Giraffe
   ___ c) Horse
   ___ d) Deer

22. A litre is equal to
   ___ a) One cup (ollock)
   ___ b) Two cups (ollocks)
   ___ c) Two and one half cups (ollocks)
   ___ d) Five cups (ollocks)

23. A rhinoceros has a horn in the
   ___ a) Tail
   ___ b) Stomach
   ___ c) Middle of the face
   ___ d) Legs

24. Paper that is perfectly blank can be used for
   ___ a) Writing
   ___ b) Reading
   ___ c) Eating
   ___ d) Rubbing

25. A butterfly drinks nectar from
   ___ a) Leaves
   ___ b) Wood
   ___ c) Flowers
   ___ d) Fruits

26. The biggest animal in the world is the
   ___ a) Elephant
   ___ b) Donkey
   ___ c) Horse
   ___ d) Camel
27. According to the Ramayana, Rama was sent to the forest for
   ___ a) 18 Years
   ___ b) 14 Years
   ___ c) 20 Years
   ___ d) 16 Years

28. The sun rises in the
   ___ a) East
   ___ b) West
   ___ c) North
   ___ d) South

29. Ivory is obtained from the
   ___ a) Tusks of the elephant
   ___ b) Trunk of the tree
   ___ c) Skin of the camel
   ___ d) Teeth of the tiger

30. Bullock carts have wheels made of
   Plastic
   Wood
   Paper
   Leather

31. The animal that can swim in the water and walk on the land is the
   ___ a) Elephant
   ___ b) Camel
   ___ c) Tortoise
   ___ d) Cat

32. A train's engine is generally found in the
   Back of the train
   Side of the train
   Front of the train
   Top of the train

33. The loom is used
   ___ a) In making cloth
   ___ b) In grinding wheat
   ___ c) In mining coal
   ___ d) In baking bread
34. Ice is made up of 
   a) Coal 
   b) Water 
   Grass 
   Air

35. Pen is used for writing. It can write only when it has been filled with 
   a) Air 
   b) Ink 
   c) Water 
   d) Tea

36. The car runs on 
   a) Water 
   b) Sand 
   c) Petrol 
   d) Air

37. Wool is obtained from the skin of the 
   a) Buffalo 
   b) Fox 
   c) Sheep 
   d) Monkey

38. Kangaroos carry their babies 
   a) On their backs 
   b) On their heads 
   In their teeth 
   In their stomachs

39. The moon is clearly seen only when it is 
   a) Morning 
   b) Evening 
   c) Night 
   d) Afternoon

40. The lunar eclipse takes place when the 
   a) Sun's shadow fall on the earth 
   b) Sun comes in front of the moon 
   c) Earth's shadow falls on the moon 
   d) Moon comes in front of the earth
41. It is 12 0' clock when the hour hand and the minute hand of the clock are
   ___ a) At equal distance to each other
   ___ b) At right angles to each other
   ___ c) At 40 degrees angles to each other
   ___ d) Both hands are at zero degrees to each other.

42. The highest mountain in the world is
   ___ a) The Alps
   ___ b) The Everest
   ___ c) The Andes
   ___ d) The Nilgiris

43. Eskimos live in
   Huts
   Caves
   Igloos
   ___ d) Cottages

44. Guns are made from
   ___ a) Cloth
   ___ b) Steel
   ___ c) Paper
   ___ d) Glass

45. India got Independence in the year
   ___ a) 1940
   ___ b) 1947
   ___ c) 1930
   ___ d) 1950

46. Coal is made from
   ___ a) Tar
   ___ b) Leaves
   ___ c) Wood
   ___ d) Mud

47. Malaria is caused by
   ___ a) An ant
   ___ b) A house-fly
   ___ c) A mosquito
   ___ d) A cockroach
48. The longest river in India is
   ___ a) The Indus
   ___ b) The Cauvery
   ___ c) The Ganges
   ___ d) The Godavari

49. Popcorn is made from
   ___ a) Ragi
   ___ b) Mustard
   ___ c) Maize
   ___ d) Pepper

50. The tallest building in Madras is
   ___ a) The High Court
   ___ b) The Museum
   ___ c) The L.I.C.
   ___ d) The Lighthouse.
You are told that there is a story about each figure in the pairs below. If you could hear only one story for each pair, which one of the figure would you select? Draw a circle around the figure in each pair about which you would like to hear the story.

1. a b
2. a b
3. a b
4. a b
5. a b
6. a b
7. a b
8. a b
9. a b
10. a b
11. a b
12. a b
### CURiosity TEST I (FOOLish SAYings)

**SCORING KEY**

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<td>18</td>
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<td></td>
</tr>
</tbody>
</table>
CURIOSITY TEST II (WHAT DO YOU KNOW)

SCORING KEY

1. a 19. d 37. c
2. b 20. d 38. d
3. c 21. b 39. c
4. a 22. d 40. c
5. a 23. c 41. d
6. a 24. a 42. b
7. d 25. c 43. c
8. a 26. a 44. b
9. c 27. b 45. b
10. a 28. a 46. c
11. d 29. a 47. c
12. c 30. b 48. c
13. c 31. c 49. c
14. c 32. c 50. c
15. c 33. a
16. a 34. b
17. b 35. b
18. c 36. c
CURIOSITY TEST III (WHICH TO SELECT)

SCORING KEY

1. b
2. b
3. b
4. a
5. a
6. a
7. b
8. a
9. b
10. a
11. b
12. b
13. b
14. b
15. a
16. b
17. a
18. a
19. a
20. b
21. b
22. b
23. b
24. b
25. b
26. b
27. a
28. b
29. b
30. b
31. b
32. b
33. a
34. b
35. a
36. a
37. b
38. a
39. b
40. a
Some of the following statements have parts in them that make them foolish. Other statements are correct. Put an X before the foolish ones; and ✓ before those that are correct.

100% 1. Ram said to Lakshman "I will meet you at the bus stop today. If I get there first I will leave a chalk mark on the gate. If you get there first you rub it out."

37% 2. The policemen were outnumbered by the crowd so they ran away.

98% 3. A car ran over a man on the road. The man got up and said that he ran over the car.

78% 4. The father told the boy to eat the water and drink the apple.

76% 5. The girl was asked to choose between a rose and a stone. She wanted the rose.

83% 6. The boy told his father that he was older than him.

72% 7. Gopal wanted to be a football player. He practised one hour every evening before doing his home work.

65% 8. My grandparents have no daughters and no sons.

31% 9. She picked up the melted ice-cubes and dropped them into the bucket.

21 items, i.e. serial numbers 1, 2, 3, 4, 11, 12, 15, 16, 18, 20, 22, 23, 24, 26, 27, 28, 29, 33, 34, 37, 45, 47 and 48 were eliminated after item analysis; hence the final form of Curiosity Test 1 did not contain these items for the age group 7-years.
<table>
<thead>
<tr>
<th>Question</th>
<th>Text</th>
<th>(Correct Options)</th>
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<tbody>
<tr>
<td>10.</td>
<td>Sita said &quot;I have three sisters; Lakshmi, Rama and myself.&quot;</td>
<td>(16-2) 11-25</td>
</tr>
<tr>
<td>11.</td>
<td>The boy said &quot;Icecream is salty and soda is sweet.&quot;</td>
<td>(25-25) 2-2</td>
</tr>
<tr>
<td>12.</td>
<td>Teacher said &quot;Come to the table and I will show you how to draw a crow.&quot;</td>
<td>(25-24) 2-3</td>
</tr>
<tr>
<td>13.</td>
<td>Raju told his friend that his cow can fly in the air.</td>
<td>(27-18) 0-19</td>
</tr>
<tr>
<td>14.</td>
<td>There are 7 days in a week and 12 months in a year.</td>
<td>(27-18) 0-9</td>
</tr>
<tr>
<td>15.</td>
<td>The ladder broke when my father was painting the house. He fell down but was not hurt.</td>
<td>(22-20) 5-7</td>
</tr>
<tr>
<td>16.</td>
<td>The boy put his hand in the fire but was not burnt.</td>
<td>(27-21) 0-6</td>
</tr>
<tr>
<td>17.</td>
<td>Wet clothes dry in the sunshine quickly.</td>
<td>(27-18) 0-9</td>
</tr>
<tr>
<td>18.</td>
<td>If you cannot swim you should learn.</td>
<td>(26-22) 1-5</td>
</tr>
<tr>
<td>19.</td>
<td>Sashi ran to school so she would not be late for class.</td>
<td>(25-13) 2-14</td>
</tr>
<tr>
<td>20.</td>
<td>Viji said &quot;I love to eat ice-cream and fruits.&quot;</td>
<td>(26-21) 1-6</td>
</tr>
<tr>
<td>21.</td>
<td>A group of boys in a class in school collected 10 paise each to buy a ball and bat.</td>
<td>(13-3) 14-24</td>
</tr>
<tr>
<td>22.</td>
<td>The teacher said to the students &quot;Write the answers to the first 5 questions on the blackboard. You should finish in 20 minutes.&quot;</td>
<td>(24-23) 3-4</td>
</tr>
<tr>
<td>23.</td>
<td>I am the child of my father and mother.</td>
<td>(27-18) 0-9</td>
</tr>
<tr>
<td>24.</td>
<td>One boy told another boy that dogs can climb trees and snakes can walk.</td>
<td>(24-15) 3-12</td>
</tr>
</tbody>
</table>
25. Sunil and Vijay hit each other many times and Sunil fell down. The teacher said that Sunil's first hit made Vijay fall down.

26. My mother was sleeping and she asked me to wake her up so that she could come to the school to take me home.

27. The girl pushed the chairs and tables in the classroom to one side so that her friends could play games.

28. The wind made the branches and leaves of the trees shake up and down.

29. The teacher climbed upstairs turned right and opened the third door of the room from the end of the hall.

30. He was such a famous child that although he died before he was 10 years old, he left enough money to make all his grandchildren rich.

31. The teacher said "The sun rises in the East and sets in the West."

32. Krishna spent half of 50 paise in buying icecream but still had more left than he had spent.

33. A wheel came off the cycle when my friend was riding. He did not know how to put it on by himself so he rode to the cycle shop for help.

34. Planes go faster than trains and ships.

35. Kamaraj came of an ordinary family but he became a famous man before he died.

36. Give me glasses and switch off the light so I can read my book.

37. "I am very fond of dogs", the boy said as he patted the dog's head before kicking it out of the way.
38. The mother told the robber "Hit me if you like, but please spare the child." (7-16)
39. There was heavy rain and the bus broke down and stopped. The only sound was the running of the engine in the bus. (9-19)
40. The first man to climb to the top of the mountain found a hut on the mountain. (8-16)
41. The man who was stopped for speeding told the policeman that he was hurrying to reach a petrol bunk because there was no petrol in his car. (11-21)
42. If you cannot read letters of this size you need glasses. (3-10)
43. He held the flashlight so I could see to change the tyre of my cycle. (9-11)
44. Geeta wanted to call the new girl in her class but could not remember her name. So she asked the teacher for the girl's mother's name. (4-19)
45. On their trip to the fire station none of the little children wanted to be the last in the line. The kind teacher solved the problem by letting the last child in line come up and walk with her. (19-14)
46. The teacher told the children to draw a man in their notebooks. (2-14)
47. The elephant and the horse were running together. Suddenly the elephant started flying in the air and reached the goal first. (0-5)
48. The bell rang for prayers in the morning and all the children in the school came to the prayer hall. (1-3)
49. Ships can sail in the water and fishes can swim. (1-9)
50%. Raju worked fast so he could fill the basket before he ran out of oranges.

59%. Two dogs were fighting over a piece of bread. One dog ate off the whole bread first and the other dog ate half of it.

70%. Mother told her daughter that at the time of her marriage, the daughter was two years old.
APPENDIX B

CURIOUSITY TEST I
(FOOLISH SAYINGS)

PRELIMINARY FORM

Some of the following statements have parts in them that make them foolish. Other statements are correct. Put an X before the foolish ones; and a ✓ before those that are correct.

100% 1. Ram said to Lakshman "I will meet you at the bus stop today. If I get there first I will leave a chalk mark on the gate. If you get there first you rub it out." (27–27) 0

2. The policemen were outnumbered by the crowd so they ran away. (26–23) 1

98% 3. A car ran over a man on the road. The man got up and said that he ran over the car. (27–26) 0

4. The father told the boy to eat the water and drink the apple. (27–26) 0

83% 5. The girl was asked to choose between a rose and a stone. She wanted the rose. (27–18) 0

85% 6. The boy told his father that he was older than him. (27–19) 0

74% 7. Gopal wanted to be a football player. He practised one hour every evening before doing his home work. (26–14) 1

85% 8. My grandparents have no daughters and no sons. (27–19) 0

65% 9. She picked up the melted ice-cubes and dropped them into the bucket. (21–14) 6

@ 27 items, i.e. serial numbers 1, 2, 3, 4, 11, 12, 13, 15, 16, 18, 19, 20, 21, 22, 23, 26, 27, 28, 29, 31, 39, 43, 45, 46, 47, 48 and 49 were eliminated after item analysis; hence the final form of Curiosity Test I did not contain these items for age group 8-years.
10. Sita said "I have three sisters; Lakshmi, Rama and myself."

11. The boy said "Icecream is salty and soda is sweet."

12. Teacher said "Come to the table and I will show you how to draw a crow."

13. Raju told his friend that his cow can fly in the air.

14. There are 7 days in a week and 12 months in a year.

15. The ladder broke when my father was painting the house. He fell down but was not hurt.

16. The boy put his hand in the fire but was not burnt.

17. Wet clothes dry in the sunshine quickly.

18. If you cannot swim you should learn.

19. Sashi ran to school so she would not be late for class.

20. Viji said "I love to eat ice-cream and fruits."

21. A group of boys in a class in school collected 10 paise each to buy a ball and bat.

22. The teacher said to the student "Write the answers to the first 5 questions on the blackboard. You should finish in 20 minutes."

23. I am the child of my father and mother.

24. One boy told another boy that dogs can climb trees and snakes can walk.
Sunil and Vijay hit each other many times and Sunil fell down. The teacher said that Sunil's first hit made Vijay fall down.

My mother was sleeping and she asked me to wake her up so that she could come to the school to take me home.

The girl pushed the chairs and tables in the classroom to one side so that her friends could play games.

The wind made the branches and leaves of the trees shake up and down.

The teacher climbed upstairs turned right and opened the third door of the room from the end of the hall.

He was such a famous child that although he died before he was 10 years old, he left enough money to make all his grandchildren rich.

The teacher said "The sun rises in the East and sets in the west."

Krishna spent half of 50 paise in buying ice cream but still had more left than he had spent.

A wheel came off the cycle when my friend was riding. He did not know how to put it on by himself so he rode to the cycle shop for help.

Planes go faster than trains and ships.

Kamaraj came of an ordinary family but he became a famous man before he died.

Give me glasses and switch off the light so I can read my book.

"I am very fond of dogs", the boy said as he patted the dog's head before kicking it out of the way.
38. The mother told the robber "Hit me if you like, but please spare the child."

39. There was heavy rain and the bus broke down and stopped. The only sound was the running of the engine in the bus.

40. The first man to climb to the top of the mountain found a hut on the mountain.

41. The man who was stopped for speeding told the policeman that he was hurrying to reach petrol bunk because there was no petrol in his car.

42. If you cannot read letters of this size you need glasses.

43. He held the flashlight so I could see to change the tyre of my cycle.

44. Geeta wanted to call the new girl in her class but could not remember her name. So she asked the teacher for the girl's mother's name.

45. On their trip to the fire station none of the little children wanted to be the last in the line. The kind teacher solved the problem, by letting the last child in line come up and walk with her.

46. The teacher told the children to draw a man in their notebooks.

47. The elephant and the horse were running together. Suddenly the elephant started flying in the air and reached the goal first.

48. The bell rang for prayers in the morning and all the children in the school came to the prayer hall.

49. Ships can sail in the water and fishes can swim.
50. Raju worked fast so he could fill the baskets before he ran out of oranges. (21-12)

51. Two dogs were fighting over a piece of bread. One dog ate off the whole bread first and the other dog ate half of it. (21-12)

52. Mother told her daughter that at the time of her marriage, the daughter was two years old. (27-18)
Some of the following statements have parts in them that make them foolish. Other statements are correct. Put an X before the foolish ones; and a ✓ before those that are correct.

1. Ram said to Lakshman "I will meet you at the bus stop today. If I get there first I will leave a chalk mark on the gate. If you get there first you rub it out."

2. The policemen were outnumbered by the crowd so they ran away.

3. A car ran over a man on the road. The man got up and said that he ran over the car.

4. The father told the boy to eat the water and drink the apple.

5. The girl was asked to choose between a rose and a stone. She wanted the rose.

6. The boy told his father that he was older than him.

7. Gopal wanted to be a football player. He practised one hour every evening before doing his home work.

8. My grandparents have no daughters and no sons.

9. She picked up the melted ice-cubes and dropped them into the bucket.

© 30 items i.e. serial numbers 1, 2, 3, 4, 6, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 23, 24, 27, 28, 29, 31, 34, 42, 43, 45, 46, 47, 48, 49 and 52 were eliminated after item analysis; hence the final form of Curiosity Test I did not contain these items for age group 9 years.
10. Sita said "I have three sisters; Lakshmi, Rama and myself."

11. The boy said "Icecream is salty and soda is sweet."

12. Teacher said "Come to the table and I will show you how to draw a crow."

13. Raju told his friend that his cow can fly in the air.

14. There are 7 days in a week and 12 months in a year.

15. The ladder broke when my father was painting the house. He fell down but was not hurt.

16. The boy put his hand in the fire but was not burnt.

17. Wet clothes dry in the sunshine quickly.

18. If you cannot swim you should learn.

19. Sashi ran to school so she would not be late for class.

20. Viji said "I love to eat icecream and fruits."

21. A group of boys in a class in school collected 10 paise each to buy a ball and bat.

22. The teacher said to the student "Write the answers to the first 5 questions on the blackboard. You should finish in 20 minutes.

23. I am the child of my father and mother.

24. One boy told another boy that dogs can climb trees and snakes can walk.
25. Sunil and Vijay hit each other many times and Sunil fell down. The teacher said that Sunil's first hit made Vijay fall down.

26. My mother was sleeping and she asked me to wake her up so that she could come to the school to take me home.

27. The girl pushed the chairs and tables in the classroom to one side so that her friends could play games.

28. The wind made the branches and leaves of the tree shake up and down.

29. The teacher climbed upstairs turned right and opened the third door of the room from the end of the hall.

30. He was such a famous child that although he died before he was 10 years old, he left enough money to make all his grandchildren rich.

31. The teacher said "The sun rises in the East and sets in the West."

32. Krishna spent half of 50 paise in buying ice cream but still had more left than he had spent.

33. A wheel came off the cycle when my friend was riding. He did not know how to put it on by himself so he rode to the cycle shop for help.

34. Planes go faster than trains and ships.

35. Kamaraj came of an ordinary family but he became a famous man before he died.

36. Give me glasses and switch off the light so I can read my book.

37. "I am very fond of dogs", the boy said as he patted the dog's head before kicking it out of the way.
38. The mother told the robber "Hit me if you like, but please spare the child." (24-15)
39. There was heavy rain and the bus broke down and stopped. The only sound was the running of the engine in the bus. (25-14)
40. The first man to climb to the top of the mountain found a hut on the mountain. (22-10)
41. The man who was stopped for speeding told the policeman that he was hurrying to reach a petrol bunk because there was no petrol in his car. (24-7)
42. If you cannot read letters of this size you need glasses. (23-24)
43. He held the flashlight so I could see to change the tyre of my cycle. (24-19)
44. Geeta wanted to call the new girl in her class but could not remember her name. So she asked the teacher for the girl's mother's name. (24-15)
45. On their trip to the fire station none of the little children wanted to be the last in the line. The kind teacher solved the problem, by letting the last child in line come up and walk with her. (10-10)
46. The teacher told the children to draw a man in their notebooks. (26-23)
47. The elephant and the horse were running together. Suddenly the elephant started flying in the air and reached the goal first. (27-26)
48. The bell rang for prayers in the morning and all the children in the school came to the prayer hall. (27-24)
49. Ships can sail in the water and fishes can swim. (27-25)
50. Raju worked fast so he could fill the baskets before he ran out of oranges.

51. Two dogs were fighting over a piece of bread. One dog ate off the whole bread first and the other dog ate half of it.

52. Mother told her daughter that at the time of her marriage, the daughter was two years old.
APPENDIX D

CURiosity TEST I
* FOOLISH SAYINGS*

PRELIMINARY FORM

Some of the following statements have parts in them that make them foolish. Other statements are correct. Put an X before the foolish ones; and a ✓ before those that are correct.

100%_____ 1. Ram said to Lakshman "I will meet you at the bus stop today. If I get there first, I will leave a chalk mark on the gate. If you get there first, you rub it out."

90%______ 2. The policemen were outnumbered by the crowd so they ran away.

100%______ 3. A car ran over a man on the road. The man got up and said that he ran over the car.

100%______ 4. The father told the boy to eat the water and drink the apple.

90%______ 5. The girl was asked to choose between a rose and a stone. She wanted the rose.

100%______ 6. The boy told his father that he was older than him.

98%______ 7. Gopal wanted to be a football player. He practised one hour every evening before doing his home work.

72%______ 8. My grandparents have no daughters and no sons.

50%______ 9. She picked up the melted ice cubes and dropped them into the bucket.

42 items i.e. serial numbers 1, 2, 3, 4, 5, 6, 7, 11, 12, 13, 14, 15, 17, 18, 19, 20, 23, 24, 25, 28, 29, 31, 34, 35, 36, 42, 43, 46, 47, 48, 49 and 52 were eliminated after item analysis; hence the final form of Curiosity Test I did not contain these items for age group 10 years.
10. Sita said "I have three sisters; Lakshmi, Rama and myself." (22-13) (5-14)

11. The boy said "Icecream is salty and soda is sweet." (25-23) (2-4)

12. Teacher said "Come to the table and I will show you how to draw a crow." (27-26) (0-1)

13. Raju told his friend that his cow can fly in the air. (26-25) (1-2)

14. There are 7 days in a week and 12 months in a year. (27-26) (0-1)

15. The ladder broke when my father was painting the house. He fell down but was not hurt. (12-17) (15-10)

16. The boy put his hand in the fire but was not burnt. (27-18) (0-9)

17. Wet clothes dry in the sunshine quickly. (27-27) (0-0)

18. If you cannot swim you should learn. (27-27) (0-0)

19. Sashi ran to school so she would not be late for class. (26-25) (1-2)

20. Viji said "I love to eat icecream and fruits." (27-25) (0-2)

21. A group of boys in a class in school collected 10 paise each to buy a ball and bat. (24-15) (3-12)

22. The teacher said to the student "Write the answers to the first 5 questions on the blackboard. You should finish in 20 minutes." (26-17) (1-10)

23. I am the child of my father and mother. (27-26) (0-1)

24. One boy told another boy that dogs can climb trees and snakes can walk. (27-26) (0-1)
25. Sunil and Vijay hit each other many times and Sunil fell down. The teacher said that Sunil's first hit made Vijay fall down.

26. My mother was sleeping and she asked me to wake her up so that she could come to the school to take me home.

27. The girl pushed the chairs and tables in the classroom to one side so that her friends could play games.

28. The wind made the branches and leaves of the trees shake up and down.

29. The teacher climbed upstairs turned right and opened the third door of the room from the end of the hall.

30. He was such a famous child that although he died before he was 10 years old, he left enough money to make all his grandchildren rich.

31. The teacher said "The sun rises in the East and sets in the West."

32. Krishna spent half of 50 paise in buying ice cream but still had more left than he had spent.

33. A wheel came off the cycle when my friend was riding. He did not know how to put it on by himself so he rode to the cycle shop for help.

34. Planes go faster than trains and ships.

35. Kamaraj came of an ordinary family but he became a famous man before he died.

36. Give me glasses and switch off the light so I can read my book.

37. "I am very fond of dogs", the boy said as he patted the dog's head before kicking it out of the way.
38. The mother told the robber "Hit me if you like, but please spare the child."

39. There was heavy rain and the bus broke down and stopped. The only sound was the running of the engine in the bus.

40. The first man to climb to the top of the mountain found a hut on the mountain.

41. The man who was stopped for speeding told the policeman that he was hurrying to reach a petrol bunk because there was no petrol in his car.

42. If you cannot read letters of this size you need glasses.

43. He held the flashlight so I could see to change the tyre of my cycle.

44. Geeta wanted to call the new girl in her class but could not remember name. So she asked the teacher for the girl's mother's name.

45. On their trip to the fire station none of the little children wanted to be the last in the line. The kind teacher solved the problem, by letting the last child in line come up and walk with her.

46. The teacher told the children to draw a man in their notebooks.

47. The elephant and the horse were running together. Suddenly the elephant started flying in the air and reached the goal first.

48. The bell rang for prayers in the morning and all the children in the school came to the prayer hall.

49. Ships can sail in the water and fishes can swim.
50. Raju worked fast so he could fill the baskets before he ran out of oranges.

51. Two dogs were fighting over a piece of bread. One dog ate off the whole bread first and the other dog ate half of it.

52. Mother told her daughter that at the time of her marriage, the daughter was two years old.
APPENDIX E

CURiosity test ii (what do you know)

PRELIMINARY FORM

Directions: All students learn many facts. Some of the facts are learned in school, and some are learned from other places. How many of the following facts do you know? Mark a check in front of the correct ending for each of the following items.

1. The first President of India was

61% a) Rajendra Prasad (24-20)
.15 b) V.V. Giri (0-1)
 c) Sanjiva Reddy (1-5)
 d) S. Radhakrishnan (2-1)

2. According to legend Ravana was killed by

78% a) Krishna (0-0)
.44 b) Parasuraman (0-5)
 c) Rama (27-15)
 d) Lakshman (0-7)

3. The animal that is called the "Ship of the desert" is the

78% a) Deer (0-4)
.37 b) Lion (1-3)
 c) Camel (26-16)
 d) Hyena (0-4)

4. The boundary of India in the North is the

57% a) Himalayas (23-8)
.56 b) Bay of Bengal (2-8)
 c) Arabian Sea (1-5)
 d) Deccan Plateau (1-6)

© 20 items, i.e. serial numbers 1,11,14,15,18,22,23,24, 25,26,28,30,31,35,36,40,44,46,48 and 50 were eliminated after item analysis, hence the final form of Curiosity Test II did not contain these items for age group 7-years.
5. Birds that move on the land and swim in the water are

81%  a) Geese  (0-2)
37%  b) Parrots  (27-17)
   c) Hens  (0-2)
   d) Eagles  (0-6)

6. One of the men to climb the Himalaya mountains was

54%  a) Edmond Hillary  (0-0)
41%  b) Armstrong  (20-9)
   c) Gupta  (4-13)
   d) Harry  (3-5)

7. The only bird that is black is the

80%  a) Kingfisher  (0-6)
33%  b) Woodpecker  (1-1)
   c) Robin  (0-3)
   d) Crow  (25-17)

8. Gunny bags are made from

30%  a) Jute  (15-1)
52%  b) Coconut fibre  (4-14)
   c) Silk  (2-9)
   d) Cotton  (7-3)

9. The first Prime Minister of India was

69%  a) Indira Gandhi  (0-9)
33%  b) Lal Bahadur Shastri  (3-1)
   c) Jawaharlal Nehru  (23-14)
   d) Morarji Desai  (1-3)

10. Icecream is made from

76%  a) Milk  (25-14)
33%  b) Barley  (1-1)
   c) Rice  (1-9)
   d) Wheat  (0-3)

11. A diamond is made of

35%  a) Oxygen  (5-4)
19%  b) Hydrogen  (4-2)
   c) Nitrogen  (6-14)
   d) Carbon  (12-7)
12. The diet of the cow consists of

- 65% a) Insects
- 33% b) Wires
- 22% c) Grass
- 0% d) Stones

13. The Chief Minister of Madras is

- 72% a) K. Karunanidhi
- 41% b) C. Rajagopalachari
- 48% c) M.G. Ramachandran
- 0% d) Kamaraj

14. The flower that has thorns is the

- 69% a) Lily
- 14% b) Lotus
- 14% c) Rose
- 0% d) Jasmine

15. Dhal is used in preparing

- 78% a) Coffee
- 15% b) Icecream
- 4% c) Sambar
- 0% d) Tea

16. Mango is a fruit that is available in the

- 57% a) Summer season
- 41% b) Winter season
- 28% c) Rainy season
- 0% d) Autumn season

17. The people of South India eat mainly

- 65% a) Barley
- 48% b) Rice
- 22% c) Corn
- 0% d) Ragi

18. To square a number you must

- 17% a) Multiply it by two
- 11% b) Add it to two
- 11% c) Multiply it by itself
- 0% d) Divide it by two
19. Whales are big animals. Some of them are more than

39% a) 25 feet long (3-5)
.33 b) 50 feet long (6-10)
 c) 75 feet long (3-6)
 d) 100 feet long (15-6)

20. Maize is another name for

28% a) Rice (7-6)
.33 b) Wheat (7-13)
 c) Barley (11-5)
 d) Corn (2-3)

21. The animal with the longest neck is the

80% a) Camel (1-4)
.33 b) Giraffe (2-6-1)
 c) Horse (0-6)
 d) Deer (0-16)

22. A litre is equal to

44% a) One cup (ollock) (4-5)
.29 b) Two cups (ollocks) (1-4)
 c) Two and one half cups (ollocks) (6-10)
 d) Five cups (ollocks) (16-8)

23. A rhinocerous has a horn in the

80% a) Tail (2-2)
.04 b) Stomach (2-1)
 c) Middle of the face (22-21)
 d) Legs (1-3)

24. Paper that is perfectly blank can be used for

87% a) Writing (25-22)
.11 b) Reading (0-2)
 c) Eating (0-2)
 d) Rubbing (2-1)

25. A butterfly drinks nectar from

96% a) Leaves (0-0)
.07 b) Wood (0-0)
 c) Flowers (27-25)
 d) Fruits (0-2)
26. The biggest animal in the world is the

- Elephant
- Donkey
- Horse
- Camel

27. According to the Ramayana, Rama was sent to the forest for

- 18 Years
- 14 Years
- 20 Years
- 16 Years

28. The sun rises in the

- East
- West
- North
- South

29. Ivory is obtained from the

- Tusks of the elephant
- Trunk of the tree
- Skin of the camel
- Teeth of the tiger

30. Bullock carts have wheels made of

- Plastic
- Wood
- Paper
- Leather

31. The animal that can swim in the water and walk on the land is the

- Elephant
- Camel
- Tortoise
- Cat

32. A train's engine is generally found in the

- Back of the train
- Side of the train
- Front of the train
- Top of the train
33. The loom is used

37% a) In making cloth  (15-5)
37% b) In grinding wheat (5-6)
37% c) In mining coal  (3-10)
37% d) In baking bread (4-6)

34. Ice is made up of

61% a) Coal  (4-15)
33% b) Water (21-12)
33% c) Grass (0-0)
33% d) Air  (2-0)

35. Pen is used for writing. It can write only when it has been filled with

93% a) Air (0-2)
15% b) Ink (27-23)
15% c) Water (0-2)
15% d) Tea (0-0)

36. The car runs on

93% a) Water (0-0)
7% b) Sand (1-3)
7% c) Petrol (26-24)
7% d) Air (0-0)

37. Wool is obtained from the skin of the

70% a) Buffalo (3-8)
37% b) Fox  (0-2)
37% c) Sheep (24-14)
37% d) Monkey (0-3)

38. Kangaroos carry their babies

76% a) On their backs (1-7)
41% b) On their heads (0-1)
41% c) In their teeth (0-4)
41% d) In their stomachs (26-15)

39. The moon is clearly seen only when it is

83% a) Morning (0-2)
33% b) Evening (0-2)
33% c) Night  (27-18)
33% d) Afternoon (0-5)
40. The lunar eclipse takes place when the
   a) Sun's shadow falls on the earth (8-5)
   b) Sun comes in front of the moon (7-10)
   c) Earth's shadow falls on the moon (7-10)
   d) Moon comes in front of the earth (5-2)

41. It is 12 O'clock when the hour hand and the minute hand of the clock are
   a) At equal distance to each other (10-6)
   b) At right angles to each other (5-7)
   c) At 40 degrees angles to each other (1-11)
   d) Both hands are at zero degrees to each other (11-3)

42. The highest mountain in the world is
   a) The Alps (2-3)
   b) The Everest (15-3)
   c) The Andes (3-8)
   d) The Nilgiris (7-13)

43. Eskimos live in
   a) Huts (2-2)
   b) Caves (3-9)
   c) Igloos (19-9)
   d) Cottages (3-7)

44. Guns are made from
   a) Cloth (1-1)
   b) Steel (16-10)
   c) Paper (8-11)
   d) Glass (2-5)

45. India got Independence in the year
   a) 1940 (6-6)
   b) 1947 (17-8)
   c) 1930 (1-5)
   d) 1950 (3-8)

46. Coal is made from
   a) Tar (11-13)
   b) Leaves (1-2)
   c) Wood (10-7)
   d) Mud (5-5)
47. Malaria is caused by

44% a) An ant (3-3)
44% b) A house-fly (4-10)
18% c) A mosquito (18-6)
2% d) A cockroach (2-8)

48. The longest river in India is

59% a) The Indus (4-3)
0% b) The Cauvery (5-5)
16% c) The Ganges (16-16)
2% d) The Godavari (2-3)

49. Popcorn is made from

63% a) Ragi (0-6)
44% b) Mustard (2-6)
23% c) Maize (23-11)
2% d) Pepper (2-4)

50. The tallest building in Madras is

74% a) The High Court (2-2)
15% b) The Museum (0-0)
18% c) The L.I.C. (18-22)
7% d) The Lighthouse (7-3)
APPENDIX F

CURIOSITY TEST II®
(WHAT DO YOU KNOW)

PRELIMINARY FORM

Directions: All students learn many facts. Some of the facts are learned in school, and some are learned from other places. How many of the following facts do you know? Mark a ✓ in front of the correct ending for each of the following items.

1. The first President of India was

87% a) Rajendra Prasad 19 b) V.V. Giri
 c) Sanjiva Reddy
 d) S. Radhakrishnan

2. According to legend Ravana was killed by

80% a) Krishna
 b) Parasuraman
 c) Rama
 d) Lakshman

3. The animal that is called the "Ship of the desert" is the

83% a) Deer
 b) Lion
 c) Camel
 d) Hyena

4. The boundary of India in the North is the

59% a) Himalayas
 b) Bay of Bengal
 c) Arabian Sea
 d) Deccan Plateau

© 20 items, i.e. serial numbers 1, 3, 11, 12, 14, 18, 19, 22, 25, 26, 28, 30, 31, 35, 36, 39, 40, 44, 46 and 50 were eliminated after item analysis; hence the final form of the Curiosity Test II did not contain these items for age group 8-years.
5. Birds that can move on the land and swim in the water are

46% a) Geese
.33 b) Parrots
 c) Hens
d) Eagles

6. One of the men to climb the Himalaya mountains was

28% a) Edmond Hillary
.41 b) Armstrong
c) Gupta
d) Harry

7. The only bird that is black is the

80% a) Kingfisher
.33 b) Woodpecker
c) Robin
d) Crow

8. Gunny bags are made from

44% a) Jute
.37 b) Coconut fibre
c) Silk
d) Cotton

9. The first Prime Minister of India was

63% a) Indira Gandhi
.52 b) Lal Bahadur Shastri
c) Jawaharlal Nehru
d) Morarji Desai

10. Icecream is made from

80% a) Milk
.33 b) Barley
c) Rice
d) Wheat

11. A diamond is made of

28% a) Oxygen
.03 b) Hydrogen
c) Nitrogen
d) Carbon
12. The diet of the cow consists of

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Choice</th>
</tr>
</thead>
<tbody>
<tr>
<td>67%</td>
<td>Insects</td>
</tr>
<tr>
<td>15%</td>
<td>Wires</td>
</tr>
<tr>
<td></td>
<td>Grass</td>
</tr>
<tr>
<td></td>
<td>Stones</td>
</tr>
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</table>

13. The Chief Minister of Madras is

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Choice</th>
</tr>
</thead>
<tbody>
<tr>
<td>74%</td>
<td>K. Karunanidhi</td>
</tr>
<tr>
<td>37%</td>
<td>C. Rajagopalachari</td>
</tr>
<tr>
<td></td>
<td>M. G. Ramachandran</td>
</tr>
<tr>
<td></td>
<td>Kamaraj</td>
</tr>
</tbody>
</table>

14. The flower that has thorns is the

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Choice</th>
</tr>
</thead>
<tbody>
<tr>
<td>81%</td>
<td>Lily</td>
</tr>
<tr>
<td>22%</td>
<td>Lotus</td>
</tr>
<tr>
<td></td>
<td>Rose</td>
</tr>
<tr>
<td></td>
<td>Jasmine</td>
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15. Milk is used in preparing

<table>
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<tr>
<th>Percentage</th>
<th>Choice</th>
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<tbody>
<tr>
<td>72%</td>
<td>Coffee</td>
</tr>
<tr>
<td>33%</td>
<td>Icecream</td>
</tr>
<tr>
<td></td>
<td>Sambar</td>
</tr>
<tr>
<td></td>
<td>Tea</td>
</tr>
</tbody>
</table>

16. Mango is a fruit that is available in the

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Season</th>
</tr>
</thead>
<tbody>
<tr>
<td>61%</td>
<td>Summer season</td>
</tr>
<tr>
<td>33%</td>
<td>Winter season</td>
</tr>
<tr>
<td></td>
<td>Rainy season</td>
</tr>
<tr>
<td></td>
<td>Autumn season</td>
</tr>
</tbody>
</table>

17. The people of South India eat mainly

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Choice</th>
</tr>
</thead>
<tbody>
<tr>
<td>61%</td>
<td>Barley</td>
</tr>
<tr>
<td>33%</td>
<td>Rice</td>
</tr>
<tr>
<td></td>
<td>Corn</td>
</tr>
<tr>
<td></td>
<td>Ragi</td>
</tr>
</tbody>
</table>

18. To square a number you must

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Choice</th>
</tr>
</thead>
<tbody>
<tr>
<td>15%</td>
<td>Multiply it by two</td>
</tr>
<tr>
<td>07%</td>
<td>Add it to two</td>
</tr>
<tr>
<td></td>
<td>Multiply it by itself</td>
</tr>
<tr>
<td></td>
<td>Divide it by two</td>
</tr>
</tbody>
</table>
19. Whales are big animals. Some of them are more than

- 43% a) 25 feet long (8-10)
- .03 b) 50 feet long (3-2)
- .0 c) 75 feet long (5-3)
- d) 100 feet long (11-12)

20. Maize is another name for

- 35% a) Rice (3-9)
- .33 b) Wheat (7-8)
- c) Barley (3-5)
- d) Corn (14-5)

21. The animal with the longest neck is the

- 80% a) Camel (0-9)
- .41 b) Giraffe (27-16)
- c) Horse (0-1)
- d) Deer (0-1)

22. A litre is equal to

- 46% a) One cup (ollock) (6-5)
- .03 b) Two cups (ollocks) (2-6)
- c) Two and one half cups (ollocks) (7-3)
- d) Five cups (ollocks) (12-13)

23. A rhinoceros has a horn in the

- 81% a) Tail (0-3)
- .37 b) Stomach (0-4)
- c) Middle of the face (27-17)
- d) Legs (0-3)

24. Paper that is perfectly blank can be used for

- 74% a) Writing (26-14)
- .44 b) Reading (0-10)
- c) Eating (1-1)
- d) Rubbing (0-2)

25. A butterfly drinks nectar from

- 91% a) Leaves (0-5)
- .19 b) Wood (0-0)
- c) Flowers (27-22)
- d) Fruits (0-0)
26. The biggest animal in the world is the
   67% a) Elephant (19-17)
   .07 b) Donkey (0-1)
   c) Horse (0-2)
   d) Camel (8-7)

27. According to the Ramayana, Rama was sent to the forest for
   39% a) 18 Years (4-6)
   .56 b) 14 Years (18-3)
   c) 20 Years (0-12)
   d) 16 Years (5-6)

28. The sun rises in the
   87% a) East (25-22)
   .11 b) West (2-4)
   c) North (0-1)
   d) South (0-0)

29. Ivory is obtained from the
   57% a) Tusks of the elephant (22-9)
   .48 b) Trunk of the tree (4-5)
   c) Skin of the camel (1-4)
   d) Teeth of the tiger (0-9)

30. Bullock carts have wheels made of
   81% a) Plastic (2-0)
   .29 b) Wood (24-17)
   c) Paper (1-4)
   d) Leather (0-6)

31. The animal that can swim in the water and walk on the land is the
   92% a) Elephant (21-14)
   -.03 b) Camel (1-3)
   c) Tortoise (2-3)
   d) Cat (3-7)

32. A train's engine is generally found in the
   70% a) Back of the train (3-4)
   .37 b) Side of the train (0-6)
   c) Front of the train (24-14)
   d) Top of the train (0-3)
33. The loom is used

24% a) In making cloth (11-2)
.33 b) In grinding wheat (8-8)
.33 c) In mining coal (5-10)
.33 d) In baking bread (3-7)

34. Ice is made up of

76% a) Coal (1-10)
.41 b) Water (26-15)
.41 c) Grass (0-0)
.41 d) Air (0-2)

35. Pen is used for writing. It can write only when it has been filled with

91% a) Air (0-1)
.19 b) Ink (27-22)
.19 c) Water (0-3)
.19 d) Tea (0-1)

36. The car runs on

87% a) Water (0-0)
.04 b) Sand (3-3)
.04 c) Petrol (24-23)
.04 d) Air (0-1)

37. Wool is obtained from the skin of the

74% a) Buffalo (1-8)
.44 b) Fox (0-3)
.44 c) Sheep (26-14)
.44 d) Monkey (0-2)

38. Kangaroos carry their babies

80% a) On their backs (1-2)
.33 b) On their heads (0-5)
.33 c) In their teeth (0-3)
.33 d) In their stomachs (26-17)

39. The moon is clearly seen only when it is

81% a) Morning (2-3)
.15 b) Evening (1-2)
.15 c) Night (24-20)
.15 d) Afternoon (0-2)
40. The lunar eclipse takes place when the
   Sun’s shadow falls on the earth (8-10)
   Sun comes in front of the moon (5-7)
   Earth’s shadow falls on the moon (10-7)
   Moon comes in front of the earth (4-5)

41. It is 12 O’clock when the hour hand and the
    minute hand of the clock are
   At equal distance to each other (11-9)
   At right angles to each other (2-6)
   At 40 degrees angles to each other (3-10)
   Both hands are at zero degrees to each other (11-2)

42. The highest mountain in the world is
   The Alps (1-2)
   The Everest (24-6)
   The Andes (2-3)
   The Nilgiris (0-16)

43. Eskimos live in
   Huts (0-7)
   Caves (1-4)
   Igloos (25-10)
   Cottages (1-6)

44. Guns are made from
   Cloth (0-0)
   Steel (18-11)
   Paper (9-13)
   Glass (0-3)

45. India got independence in the year
   1940 (5-7)
   1947 (19-10)
   1930 (2-5)
   1950 (1-5)

46. Coal is made from
   Tar (20-13)
   Leaves (0-4)
   Wood (4-3)
   Mud (3-7)
47. Malaria is caused by

57%  a) An ant
.33  b) A house-fly
     c) A mosquito
     d) A cockroach

48. The longest river in India is

57%  a) The Indus
.41  b) The Cauvery
     c) The Ganges
     d) The Godavari

49. Popcorn is made from

54%  a) Ragi
.70  b) Mustard
     c) Maize
     d) Pepper

50. The tallest building in Madras is

76%  a) The High Court
.11  b) The Museum
     c) The L.I.C.
     d) The Lighthouse
Directions: All students learn many facts. Some of the facts are learned in school, and some are learned from other places. How many of the following facts do you know? Mark a $\checkmark$ in front of the correct ending for each of the following items.

1. The first President of India was

94% a) Rajendra Prasad (27-24)
.11 b) V.V. Giri (0-0)
.02 c) Sanjiva Reddy (0-2)
4 d) S. Radhakrishnan (0-1)

2. According to legend Ravana was killed by

94% a) Krishna (1-0)
.03 b) Parasuraman (0-2)
8 c) Rama (26-25)
7 d) Lakshman (0-0)

3. The animal that is called the "Ship of the desert" is the

90% a) Deer (1-1)
.03 b) Lion (0-1)
8 c) Camel (24-25)
7 d) Hyena (2-0)

4. The boundary of India in the North is the

61% a) Himalayas (21-2)
33 b) Bay of Bengal (2-19)
32 c) Arabian Sea (1-2)
31 d) Deccan Plateau (3-4)

@ 21 items, i.e. serial numbers 1, 2, 3, 7, 10, 11, 12, 14, 18, 22, 25, 26, 29, 30, 31, 35, 36, 40, 44, 46 and 47 were eliminated after item analysis; hence the final form of Curiosity Test II did not contain these items, for age group 9-years.
5. Birds that move on the land and swim in the water are

<table>
<thead>
<tr>
<th>Percentage</th>
<th>a) Geese</th>
<th>b) Parrots</th>
<th>c) Hens</th>
<th>d) Eagles</th>
</tr>
</thead>
<tbody>
<tr>
<td>69%</td>
<td>(0-4)</td>
<td>(26-11)</td>
<td>(1-1)</td>
<td>(0-11)</td>
</tr>
</tbody>
</table>

6. One of the men to climb the Himalaya mountain was

<table>
<thead>
<tr>
<th>Percentage</th>
<th>a) Edmond Hillary</th>
<th>b) Armstrong</th>
<th>c) Gupta</th>
<th>d) Harry</th>
</tr>
</thead>
<tbody>
<tr>
<td>50%</td>
<td>(0-9)</td>
<td>(24-3)</td>
<td>(1-11)</td>
<td>(2-4)</td>
</tr>
</tbody>
</table>

7. The only bird that is black is the

<table>
<thead>
<tr>
<th>Percentage</th>
<th>a) Kingfisher</th>
<th>b) Woodpecker</th>
<th>c) Robin</th>
<th>d) Crow</th>
</tr>
</thead>
<tbody>
<tr>
<td>98%</td>
<td>(0-0)</td>
<td>(0-0)</td>
<td>(0-1)</td>
<td>(27-26)</td>
</tr>
</tbody>
</table>

8. Gunny bags are made from

<table>
<thead>
<tr>
<th>Percentage</th>
<th>a) Jute</th>
<th>b) Coconut fibre</th>
<th>c) Silk</th>
<th>d) Cotton</th>
</tr>
</thead>
<tbody>
<tr>
<td>43%</td>
<td>(16-7)</td>
<td>(6-6)</td>
<td>(1-5)</td>
<td>(4-9)</td>
</tr>
</tbody>
</table>

9. The first Prime Minister of India was

<table>
<thead>
<tr>
<th>Percentage</th>
<th>a) Indira Gandhi</th>
<th>b) Lal Bahadur Shastri</th>
<th>c) Jawaharlal Nehru</th>
<th>d) Morarji Desai</th>
</tr>
</thead>
<tbody>
<tr>
<td>69%</td>
<td>(2-2)</td>
<td>(2-2)</td>
<td>(23-23)</td>
<td>(0-0)</td>
</tr>
</tbody>
</table>

10. Icecream is made from

<table>
<thead>
<tr>
<th>Percentage</th>
<th>a) Milk</th>
<th>b) Barley</th>
<th>c) Rice</th>
<th>d) Wheat</th>
</tr>
</thead>
<tbody>
<tr>
<td>87%</td>
<td>(25-22)</td>
<td>(2-5)</td>
<td>(0-0)</td>
<td>(0-0)</td>
</tr>
</tbody>
</table>

11. A diamond is made of

<table>
<thead>
<tr>
<th>Percentage</th>
<th>a) Oxygen</th>
<th>b) Hydrogen</th>
<th>c) Nitrogen</th>
<th>d) Carbon</th>
</tr>
</thead>
<tbody>
<tr>
<td>26%</td>
<td>(1-8)</td>
<td>(10-4)</td>
<td>(7-10)</td>
<td>(9-5)</td>
</tr>
</tbody>
</table>
12. The diet of the cow consists of

- 76% a) Insects
- 11% b) Wires
- 11% c) Grass
- 11% d) Stones

13. The Chief Minister of Madras is

- 83% a) K. Karunanidhi
- 33% b) C. Rajagopalachari
- 33% c) M.G. Ramachandran
- 33% d) Kamaraj

14. The flower that has thorns is the

- 80% a) Lily
- 19% b) Lotus
- 19% c) Rose
- 19% d) Jasmine

15. Dhal is used in preparing

- 76% a) Coffee
- 33% b) Ice cream
- 33% c) Sambar
- 33% d) Tea

16. Mango is a fruit that is available in the

- 72% a) Summer season
- 33% b) Winter season
- 33% c) Rainy season
- 33% d) Autumn season

17. The people of South India eat mainly

- 72% a) Barley
- 33% b) Rice
- 33% c) Corn
- 33% d) Ragi

18. To square a number you must

- 74% a) Multiply it by two
- 14% b) Add it to two
- 14% c) Multiply it by itself
- 14% d) Divide it by two
26. The biggest animal in the world is the
   70% a) Elephant (21-17)
   .15 b) Donkey (0-2)
   c) Horse (0-0)
   d) Camel (6-8)

27. According to the Ramayana, Rama was sent to the forest for
   65% a) 18 Years (1-4)
   .48 b) 14 Years (24-11)
   c) 20 Years (1-7)
   d) 16 Years (1-5)

28. The sun rises in the
   89% a) East (25-23)
   .07 b) West (2-3)
   c) North (0-0)
   d) South (0-1)

29. Ivory is obtained from the
   61% a) Tusks of the elephant (21-13)
   .33 b) Trunk of the tree (2-7)
   c) Skin of the camel (1-4)
   d) Teeth of the tiger (3-3)

30. Bullock carts have wheels made of
   81% a) Plastic (0-1)
   .29 b) Wood (26-18)
   c) Paper (1-5)
   d) Leather (0-3)

31. The animal that can swim in the water and walk on the land is the
   70% a) Elephant (18-15)
   .07 b) Camel (1-3)
   c) Tortoise (1-3)
   d) Cat (7-6)

32. A train's engine is generally found in the
   74% a) Back of the train (0-6)
   .44 b) Side of the train (1-5)
   c) Front of the train (26-14)
   d) Top of the train (0-2)
33. The loom is used

54% a) In making cloth (22-7)
56 b) In grinding wheat (1-6)
---- c) In mining coal (3-12)
---- d) In baking bread (1-2)

34. Ice is made up of

69% a) Coal (0-14)
63 b) Water (27-10)
---- c) Grass (0-0)
---- d) Air (0-3)

35. Pen is used for writing. It can write only when
it has been filled with

100% a) Air (0-0)
0 b) Ink (27-27)
---- c) Water (0-0)
---- d) Tea (0-0)

36. The car runs on

80% a) Water (0-0)
26 b) Sand (2-9)
---- c) Petrol (25-18)
---- d) Air (0-0)

37. Wool is obtained from the skin of the

80% a) Buffalo (1-8)
33 b) Fox (0-0)
---- c) Sheep (26-17)
---- d) Monkey (0-2)

38. Kangaroos carry their babies

80% a) On their backs (0-8)
41 b) On their heads (0-2)
---- c) In their teeth (0-1)
---- d) In their stomach (27-16)

39. The moon is clearly seen only when it is

83% a) Morning (0-2)
33 b) Evening (0-6)
---- c) Night (27-18)
---- d) Afternoon (0-1)
40. The lunar eclipse takes place when the

43% a) Sun's shadow falls on the earth (3-8)
  .19  b) Sun comes in front of the moon (5-6)
   c) Earth's shadow falls on the moon (14-9)
   d) Moon comes in front of the earth (5-4)

41. It is 12 O'clock when the hour hand and the minute hand of the clock are

41% a) At equal distance to each other (5-15)
  .52  b) At right angles to each other (3-5)
   c) At 40 degrees angles to each other (1-3)
   d) Both hands are at zero degrees to each other (18-4)

42. The highest mountain in the world is

70% a) The Alps (0-3)
  .52  b) The Everest (26-12)
   c) The Andes (0-1)
   d) The Nilgiris (1-11)

43. Eskimos live in

67% a) Huts (0-3)
  .59  b) Caves (1-4)
   c) Igloos (26-10)
   d) Cottages (0-10)

44. Guns are made from

65% a) Cloth (0-0)
  .19  b) Steel (20-15)
   c) Paper (7-11)
   d) Glass (0-1)

45. India got independence in the year

76% a) 1940 (1-1)
  .41  b) 1947 (26-15)
   c) 1930 (0-3)
   d) 1950 (0-8)

46. Coal is made from

24% a) Tar (20-12)
  .03  b) Leaves (1-5)
   c) Wood (6-7)
   d) Mud (0-3)
47. Malaria is caused by

70% a) An ant (1-1)
0.22 b) A house-fly (4-2)
0.22 c) A mosquito (22-16)
0.22 d) A cockroach (0-8)

48. The longest river in India is

57% a) The Indus (4-4)
0.33 b) The Cauvery (3-7)
0.33 c) The Ganges (20-11)
0.33 d) The Godavari (0-5)

49. Popcorn is made from

72% a) Ragi (0-4)
0.56 b) Mustard (0-6)
0.56 c) Maize (27-12)
0.56 d) Pepper (0-5)

50. The tallest building in Madras is

50% a) The High Court (0-3)
0.33 b) The Museum (0-1)
0.33 c) The L.I.C. (18-9)
0.33 d) The Lighthouse (9-14)
APPENDIX H

CURIOSITY TEST II (WHAT DO YOU KNOW)

PRELIMINARY FORM

Directions: All students learn many facts. Some of the facts are learned in school, and some are learned from other places. How many of the following facts do you know? Mark a √ in front of the correct ending for each of the following items.

1. The first President of India was

<table>
<thead>
<tr>
<th>%</th>
<th>a) Rajendra Prasad</th>
<th>b) V.V. Giri</th>
<th>c) Sanjiva Reddy</th>
<th>d) S. Radhakrishnan</th>
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</thead>
<tbody>
<tr>
<td>89%</td>
<td>(25-23)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>.07</td>
<td>(0-1)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(0-0)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(2-3)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2. According to legend Ravana was killed by

<table>
<thead>
<tr>
<th>%</th>
<th>a) Krishna</th>
<th>b) Parasuraman</th>
<th>c) Rama</th>
<th>d) Lakshman</th>
</tr>
</thead>
<tbody>
<tr>
<td>94%</td>
<td>(0-3)</td>
<td>(0-0)</td>
<td>(27-24)</td>
<td>(0-3)</td>
</tr>
<tr>
<td>.11</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The animal that is called the "Ship of the desert" is the

<table>
<thead>
<tr>
<th>%</th>
<th>a) Deer</th>
<th>b) Lion</th>
<th>c) Camel</th>
<th>d) Hyena</th>
</tr>
</thead>
<tbody>
<tr>
<td>87%</td>
<td>(0-1)</td>
<td>(0-3)</td>
<td>(27-20)</td>
<td>(0-3)</td>
</tr>
<tr>
<td>.26</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The boundary of India in the North is the

<table>
<thead>
<tr>
<th>%</th>
<th>a) Himalayas</th>
<th>b) Bay of Bengal</th>
<th>c) Arabian Sea</th>
<th>d) Deccan Plateau</th>
</tr>
</thead>
<tbody>
<tr>
<td>72%</td>
<td>(26-13)</td>
<td>(0-7)</td>
<td>(0-4)</td>
<td>(1-3)</td>
</tr>
<tr>
<td>.48</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

22 items, i.e. serial numbers 1, 2, 3, 7, 10, 11, 18, 19, 22, 25, 26, 28, 30, 31, 35, 36, 38, 39, 40, 44, 46 and 47 were eliminated after item analysis; hence the final form of Curiosity Test II did not contain these items for age group 10-years.
5. Birds that move on the land and swim in the water are

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>78%</td>
<td>a) Geese</td>
<td>(0-4)</td>
<td></td>
</tr>
<tr>
<td>.37%</td>
<td>b) Parrots</td>
<td>(26-16)</td>
<td></td>
</tr>
<tr>
<td>.37%</td>
<td>c) Hens</td>
<td>(0-0)</td>
<td></td>
</tr>
<tr>
<td>.37%</td>
<td>d) Eagles</td>
<td>(1-7)</td>
<td></td>
</tr>
</tbody>
</table>

6. One of the men to climb the Himalaya mountains was

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>56%</td>
<td>a) Edmond Hillary</td>
<td>(1-12)</td>
<td></td>
</tr>
<tr>
<td>.67%</td>
<td>b) Armstrong</td>
<td>(24-6)</td>
<td></td>
</tr>
<tr>
<td>.67%</td>
<td>c) Gupta</td>
<td>(1-3)</td>
<td></td>
</tr>
<tr>
<td>.67%</td>
<td>d) Harry</td>
<td>(1-6)</td>
<td></td>
</tr>
</tbody>
</table>

7. The only bird that is black is the

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>98%</td>
<td>a) Kingfisher</td>
<td>(0-1)</td>
<td></td>
</tr>
<tr>
<td>.04%</td>
<td>b) Woodpecker</td>
<td>(0-0)</td>
<td></td>
</tr>
<tr>
<td>.04%</td>
<td>c) Robin</td>
<td>(0-0)</td>
<td></td>
</tr>
<tr>
<td>.04%</td>
<td>d) Crow</td>
<td>(27-26)</td>
<td></td>
</tr>
</tbody>
</table>

8. Gunny bags are made from

<p>| | | | |</p>
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<tbody>
<tr>
<td>70%</td>
<td>a) Jute</td>
<td>(24-14)</td>
<td></td>
</tr>
<tr>
<td>.37%</td>
<td>b) Coconut fibre</td>
<td>(1-3)</td>
<td></td>
</tr>
<tr>
<td>.37%</td>
<td>c) Silk</td>
<td>(0-2)</td>
<td></td>
</tr>
<tr>
<td>.37%</td>
<td>d) Cotton</td>
<td>(2-8)</td>
<td></td>
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</tbody>
</table>

9. The first Prime Minister of India was

<p>| | | | |</p>
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<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>69%</td>
<td>a) Indira Gandhi</td>
<td>(0-5)</td>
<td></td>
</tr>
<tr>
<td>.33%</td>
<td>b) Lal Bahadur Shastri</td>
<td>(4-6)</td>
<td></td>
</tr>
<tr>
<td>.33%</td>
<td>c) Jawaharlal Nehru</td>
<td>(23-14)</td>
<td></td>
</tr>
<tr>
<td>.33%</td>
<td>d) Morarji Desai</td>
<td>(0-2)</td>
<td></td>
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</table>

10. Icecream is made from

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<tbody>
<tr>
<td>94%</td>
<td>a) Milk</td>
<td>(27-24)</td>
<td></td>
</tr>
<tr>
<td>.11%</td>
<td>b) Barley</td>
<td>(0-0)</td>
<td></td>
</tr>
<tr>
<td>.11%</td>
<td>c) Rice</td>
<td>(0-2)</td>
<td></td>
</tr>
<tr>
<td>.11%</td>
<td>d) Wheat</td>
<td>(0-1)</td>
<td></td>
</tr>
</tbody>
</table>

11. A diamond is made of

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</thead>
<tbody>
<tr>
<td>29%</td>
<td>a) Oxygen</td>
<td>(1-2)</td>
<td></td>
</tr>
<tr>
<td>.07%</td>
<td>b) Hydrogen</td>
<td>(6-6)</td>
<td></td>
</tr>
<tr>
<td>.07%</td>
<td>c) Nitrogen</td>
<td>(13-10)</td>
<td></td>
</tr>
<tr>
<td>.07%</td>
<td>d) Carbon</td>
<td>(7-9)</td>
<td></td>
</tr>
</tbody>
</table>
12. The diet of the cow consists of

72% a) Insects
63% b) Wires
75% c) Grass
64% d) Stones

13. The Chichi Minister of Madras is

83% a) K. Karunanidhi
63% b) C. Rajagopalachari
75% c) M. G. Ramachandran
64% d) Kamaraj

14. The flower that has thorns is the

76% a) Lily
63% b) Lotus
75% c) Rose
64% d) Jasmine

15. Dhal is used in preparing

83% a) Coffee
63% b) Icecream
75% c) Sambar
64% d) Tea

16. Mango is a fruit that is available in the

72% a) Summer season
63% b) Winter season
75% c) Rainy season
64% d) Autumn season

17. The people of South India eat mainly

81% a) Barley
57% b) Rice
75% c) Corn
43% d) Ragi

18. To square a number you must

39% a) Multiply it by two
26% b) Add it to two
71% c) Multiply it by itself
43% d) Divide it by two
19. Whales are big animals. Some of them are more than

54%  a) 25 feet long
.11  b) 50 feet long
  c) 75 feet long
  d) 100 feet long

20. Maize is another name for

61%  a) Rice
.33  b) Wheat
  c) Barley
  d) Corn

21. The animal with the longest neck is the

83%  a) Camel
.33  b) Giraffe
  c) Horse
  d) Deer

22. A litre is equal to

39%  a) One cup (ollock)
.11  b) Two cups (ollocks)
  c) Two and one half cups (ollocks)
  d) Five cups (ollocks)

23. A rhinoceros has a horn in the

83%  a) Tail
.33  b) Stomach
  c) Middle of the face
  d) Legs

24. Paper that is perfectly blank can be used for

83%  a) writing
.33  b) reading
  c) Eating
  d) Rubbing

25. A butterfly drinks nectar from

87%  a) Leaves
.07  b) Wood
  c) Flowers
  d) Fruits
26. The biggest animal in the world is the

76% a) Elephant (24-17)
26 b) Donkey (0-0)
____ c) Horse (0-0)
____ d) Camel (3-10)

27. According to the Ramayana, Rama was sent to the forest for

72% a) 16 Years (2-4)
33 b) 14 Years (24-15)
____ c) 20 Years (1-5)
____ d) 16 Years (0-3)

28. The sun rises in the

93% a) East (27-23)
15 b) West (0-3)
____ c) North (0-0)
____ d) South (0-1)

29. Ivory is obtained from the

78% a) Tusks of the elephant (26-16)
37 b) Trunk of the tree (0-5)
____ c) Skin of the camel (0-2)
____ d) Teeth of the tiger (1-4)

30. Bullock carts have wheels made of

89% a) Plastic (0-1)
22 b) Wood (27-21)
____ c) Paper (0-1)
____ d) Leather (0-4)

31. The animal that can swim in the water and walk on the land is the

11% a) Elephant (16-20)
15 b) Camel (2-3)
____ c) Tortoise (5-1)
____ d) Cat (4-3)

32. A train's engine is generally found in the

78% a) Back of the train (1-4)
37 b) Side of the train (0-7)
____ c) Front of the train (26-16)
____ d) Top of the train (0-0)
33. The loom is used

69% a) In making cloth (23-14)
.33 b) In grinding wheat (1-8)
 c) In mining coal (2-3)
 d) In baking bread (1-2)

34. Ice is made up of

80% a) Coal (0-7)
 .33 b) Water (26-17)
 c) Grass (0-2)
 d) Air (1-.1)

35. Pen is used for writing. It can write only when it has been filled with

98% a) Air (0-0)
 .03 b) Ink (26-27)
 c) Water (1-0)
 d) Tea (0-0)

36. The car runs on

90% a) Water (0-0)
 .19 b) Sand (0-4)
 c) Petrol (27-22)
 d) Air (0-1)

37. Wool is obtained from the skin of the

83% a) Buffalo (0-4)
 .33 b) Fox (0-3)
 c) Sheep (27-18)
 d) Monkey (0-2)

38. Kangaroos carry their babies

93% a) On their backs (0-2)
 .15 b) On their heads (0-1)
 c) In their teeth (0-1)
 d) In their stomachs (27-23)

39. The moon is clearly seen only when it is

93% a) Morning (0-1)
 .15 b) Evening (0-1)
 c) Night (27-23)
 d) Afternoon (0-2)
40. The lunar eclipse takes place when the Sun's shadow falls on the earth (3-8)
Sun comes in front of the moon (3-2)
Earth's shadow falls on the moon (17-10)
Moon comes in front of the earth (4-7)

41. It is 12 O'clock when the hour hand and the minute hand of the clock are
At equal distance to each other (3-10)
At right angles to each other (6-3)
At 40 degrees angles to each other (0-8)
Both hands are at zero degrees to each other (18-6)

42. The highest mountain in the world is
The Alps (0-2)
The Everest (27-18)
The Andes (0-2)
The Nilgiris (0-5)

43. Eskimos live in
Huts (0-3)
Caves (1-3)
Igloos (26-15)
Cottages (0-6)

44. Guns are made from
Cloth (0-0)
Steel (26-19)
Paper (1-7)
Glass (0-1)

45. India got Independence in the year
1940 (0-4)
1947 (26-16)
1930 (0-4)
1950 (1-3)

46. Coal is made from
Tar (11-14)
Leaves (0-2)
Wood (16-9)
Mud (0-2)
47. Malaria is caused by

80% a) An ant
19% b) A house-fly
10% c) A mosquito
0% d) A cockroach

48. The longest river in India is

54% a) The Indus
33% b) The Cauvery
10% c) The Ganges
0% d) The Godavari

49. Popcorn is made from

76% a) Ragi
33% b) Mustard
10% c) Maize
0% d) Pepper

50. The tallest building in Madras is

59% a) The High Court
44% b) The Museum
10% c) The L.I.C.
0% d) The Lighthouse
APPENDIX I

CURiosity TEST III*  
(WHICH TO SELECT)  

PRELIMINARY FORM

You are told that there is a story about each figure in the pairs below. If you could hear only one story for each pair, which one of the figure would you select? Draw a circle around the figure in each pair about which you would like to hear the story.

1. (8-2) (19-25) 32%  (17-10)  
   a     b

2. (17-5) (10-22) 48%  (16-10)  
   a     b

3. (13-1) (14-26) 76%  (20-21)  
   a     b

4. (16-8) (11-19) 25%  (17-6)  
   a     b

5. (12-1) (15-26) 46%  (17-8)  
   a     b

6. (14-5) (13-22) 32%  (15-2)  
   a     b

* 11 items i.e. serial numbers 1, 4, 8, 9, 24, 26, 27, 32, 34, 39 and 40 were eliminated after item analysis, hence the final form of Curiosity Test III did not contain these items for age group 7-years.
APPENDIX J

CURIOUSITY TEST III®
(WHICH TO SELECT)

PRELIMINARY FORM

You are told that there is a story about each figure in the pairs below. If you could hear only one story for each pair, which one of the figure would you select? Draw a circle around the figure in each pair about which you would like to hear the story.

1. 44% 35% (16-18) (11-9) 7
   .29 .63 a b

2. 39% 43% (15-6) (12-21) 8
   .33 .33 a b

3. 30% 50% (16-0) (11-27) .04
   .59 .04 a b

4. 33% 30% (12-6) (15-21) 10
   .22 .59 a b

5. 30% 44% (15-1) (12-26) 11
   .52 .44 a b

6. 22% 33% (12-0) (15-27) 12
   .44 .44 a b

* 5 items i.e. serial numbers 1, 4, 9, 24 and 34 were eliminated after item analysis; hence the final form of Curiosity Test III did not contain these items for age group 8-years.
APPENDIX K

CURIOUSITY TEST III
(WHICH TO SELECT)

PRELIMINARY FORM

You are told that there is a story about each figure in the pairs below. If you could hear only one story for each pair, which one of the figure would you select? Draw a circle around the figure in each pair about which you would like to hear the story.

1. 48% 29% (17-9) 46% 7% (25-5)
   a b

2. 31% 56% (16-1) 48% 8% (18-8)
   a b

3. 35% 70% (19-0) 78% 9% (25-17)
   a b

4. 52% 29% (18-10) 46% 10% (24-1)
   a b

5. 39% 78% (21-0) 52% 11% (24-4)
   a b

6. 48% 67% (22-4) 46% 12% (23-2)
   a b

* 4 items, i.e. serial numbers 1, 4, 9 and 34 were eliminated after item analysis; hence the final form of Curiosity Test III did not contain these items for age group 9-years.
### APPENDIX I

**CURIOUSITY TEST III**

*(WHICH TO SELECT)*

**PRELIMINARY FORM**

You are told that there is a story about each figure in the pairs below. If you could hear only one story for each pair, which one of the figures would you select? Draw a circle around the figure in each pair about which you would like to hear the story.

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</thead>
<tbody>
<tr>
<td>.70</td>
<td>43%</td>
<td>1</td>
<td>a</td>
<td>b</td>
<td>(21-2)</td>
<td>52%</td>
<td>.96</td>
<td>(27-1)</td>
</tr>
<tr>
<td>.67</td>
<td>41%</td>
<td>2</td>
<td>a</td>
<td>b</td>
<td>(20-2)</td>
<td>52%</td>
<td>.74</td>
<td>(24-4)</td>
</tr>
<tr>
<td>.70</td>
<td>46%</td>
<td>3</td>
<td>a</td>
<td>b</td>
<td>(22-3)</td>
<td>76%</td>
<td>.33</td>
<td>(25-16)</td>
</tr>
<tr>
<td>.29</td>
<td>59%</td>
<td>4</td>
<td>a</td>
<td>b</td>
<td>(20-12)</td>
<td>52%</td>
<td>.88</td>
<td>(26-2)</td>
</tr>
<tr>
<td>.92</td>
<td>46%</td>
<td>5</td>
<td>a</td>
<td>b</td>
<td>(25-0)</td>
<td>48%</td>
<td>.81</td>
<td>(24-2)</td>
</tr>
<tr>
<td>.70</td>
<td>41%</td>
<td>6</td>
<td>a</td>
<td>b</td>
<td>(21-1)</td>
<td>50%</td>
<td>.85</td>
<td>(25-2)</td>
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*2 items, i.e. serial numbers 4 and 34 were eliminated after item analysis; hence the final form of Curiosity Test III did not contain these items for age group 10-years.*
APPENDIX 3

பலங்கள்: --------------- பலித்தில்: ---------------

முறை: --------------- பாதக்: -------

ஆல்வேறு கூட்டுவேடங்கள்
-------------------------

"இரு வரலாற்றெழுத்துகள் பல குழு மூலம் புதுக்காலத்தில் எழுதப்பட்டன. மேலும் குறிப்பிட்டது, இவை முதல் குழு மூலம் பதிவு செய்யப்பட்ட நிலையில். இவை சர்ப்பக் கலன்செயல்கள் மற்றும் சுற்றுச்சுற்றுக் கலன்செயல்களைத் தவற்றுடன் காணப்பட்டன. எனவே இந்த வரலாற்றுகள் வாழ்க்கை குறிப்பிட்டது, இவை வரலாற்றுகள் குறிப்பிட்டது, குழுக்கள் அளித்தலோ குழுக்கள் அறியப்பட்டது அகழ்வு கைத்து குழுக்கள் குறிப்பிட்டது. இவை வரலாற்றுகள் கைத்து குழுக்கள் குறிப்பிட்டது அகழ்வு கைத்து குழுக்கள் குறிப்பிட்டது அகழ்வு கைத்து குழுக்கள் குறிப்பிட்டது.

நெடுஞ்சான

பல்காவு கூட்டுவேட்

முறைப்படுத்தல் குறிப்பிட்டது
1. நூற்றாண்டு வருடான மாதம் செந்து, முறையே.

2. மாத நூற்றாண்டு வருட பொது, உணவுக் குழை

3. பெருந்தோற்ற முக்கியமான இடத்தில் இடத்தில், குறை

4. பல்லப் பாத்தை இரு தலைக் கொட்டு ஒளியளவான.

5. மாதிக்கு முதல் தோற்ற கொட்டு ஒளியளவான.

6. வேறு பகுதியில் மூன்றாண்டு வருடான உயர், முறையே இடத்தில் இடத்தில் செந்து முறையே.

7. நூற்றாண்டு வருடான மாத முதல் மாதம் பொதுக்குறை.

8. மாத முதல் மாதம் இடத்தில் இடத்தில் வருட முறையே 

9. பெருந்தோற்ற முதல் வருட முறையே, முறை 

10. நூற்றாண்டு வருடான மாதம் மாதம் முறையே வருட முறையே.
11. இந்த பெரும் அரசியல் வுருவை வரும் காலத்தில் பிற்கால பல்கலைக்கழகம் தமிழகத்தில் விளங்கும் நல்ல விளையாட்டும் செயல், தமிழக வழிகாட்டுதல் நல்ல நடத்தும்.

12. "தமிழக வல்லாலர் தொல்ல விளையாட்டு, புகழ்பெறும் போர்கள் என புள்ளிவிளையாட்டுப் பரிபால்நாள்".

13. காரணிகள் கூறப்பட்டுள்ளது "தமிழக வல்லாலர் போர்களில் விளையாட்டுப் பரிபால்நாள் குறிப்பிட்டு எடுத்துக்காட்டு".

14. பெரும் முடிவுகள் பட்டியலில். இவை பன்னாட்டு பல்கலைக்கழகத்திற்கு பதிவு செய்துள்ளது.

15. இந்த பள்ளியில் தமிழ் விளையாட்டு நூற்றாண்டு, விளையாட்டு மற்றும் பள்ளியில் பாதுகாப்பு.

16. "என்று சொல்லிய தமிழக வல்லாலர், காரணி வழிகாட்டுதல் எடுத்துக்காட்டு "தமிழக வல்லாலர் பதிவு செய்து விளையாட்டுப் பரிபால்நாள்".

17. தமிழக வல்லாலர் பதிவு செய்து விளையாட்டுப் பரிபால்நாள் குறிப்பிட்டு எடுத்துக்காட்டு.

18. "என்று சொல்லிய தமிழக வல்லாலர் பதிவு செய்து விளையாட்டு காரணி வழிகாட்டுதல் எடுத்துக்காட்டு".

19. தமிழக வல்லாலர் பதிவு செய்து விளையாட்டு காரணி வழிகாட்டுதல்.

20. "என்று சொல்லிய தமிழக வல்லாலர் பதிவு செய்து விளையாட்டு காரணி வழிகாட்டுதல்."
1. இதன் பாடல் என்ன என் என்
   என் என்
   என் என்
   என் என்

2. என்னை பார்வை மேல் கீழ் கீழ் மேல்
   என் என்
   என் என்
   என் என்

3. என்னை பார்வை மேல் கீழ் கீழ்
   என் என்
   என் என்
   என் என்

4. என்னை பார்வை மேல் கீழ் கீழ்
   என் என்
   என் என்
   என் என்

5. என்னை பார்வை மேல் கீழ் கீழ்
6. புகழ்ந்த அழகு செய்யும் முறையே.

7. உயிர் பெற்று பெரும் நீயர்

8. மீது மைய நோய்

9. முதல் முதல்: மதம்பும் பலப்பு குறிப்பிட்டு வந்து

10. முதல் முதல் காணும் விளக்கம் கூறு

11. குறிப்பிட்டு கூறும். அச்சு எழும் என்றும் போறு
12. நம்பியும், காய்த்து.

13. ஒருவர் வெளியான விஷயம்

14. வாழ்ந்து விளக்கிய வெளியாகும்.

15. குறுக்கு வருங்கால் எச்சையும் பத்துப்போர்.

16. வெளியேற்றுவதனையும், வெளியேற்றுவதனை குறுக்கு வருங்காலும் பத்துப்போர்கள்.

17. குறுக்கு வருங்கால் வெளியேற்றுவதனையும்.
18. மூன்று நுழையில் பெரும்பாலான சமயமிடத்து எனும்.

19. என்று நீளம் மற்றும் பக்கம் எனும்.

20. செரு கருத்து கேற்றுப்படுத்து.

21. முன்னை கோட்டான அளக்கின்றது கோட்டைக் கோட்டை.

22. முன்னை கோட்டான கோட்டை, முன்னை கோட்டான கோட்டை கோட்டை

23. குற்றைளியை கோட்டான கோட்டை என.
24. மூலைப்பாடுகள் முடிய உலக.

25. குறுக்கைத்தொலைவு நேரலைக் காட்டுகிறது.

1949
1947
1930
1950

26. சுமாரங்கள் இல்லம் என்று பெருக்க வேண்டும்.

27. பாப்பூசூன் (Popcorn) வளைக்கும் வளைக்கும் வீதியே.

28. முலை மூழ்க வேண்டும் போர்ப்புகள் உடனே.
ibil sathvlathu varsham varthram

1. a b
2. a b
3. a b
4. a b
5. a b
6. a b
7. a b
8. a b
9. a b
10. a b
11. a b
APPENDIX 4

DRAW-A-MAN-TEST

INSTRUCTIONS

"There is a blank space on your drawing sheet. I want you to draw a picture of a full man in the space. I want to see how nicely you can draw it. So, try to draw as best as you can. Take as much time as you like, but if you want to turn the sheet and use the back side, you have to tell me. When you finish the drawing of the human figure, put your pencil down, and raise your hand to indicate that you have finished."

தமிழ் விளக்கம்: வன்ற வரைப்பட்டல் வாயிலே குறிப்பிட்டியிய ஓர் காரின் வரைப்படமே வேண்டும். இது வரையறை பற்றியுள்ளது இந்த பண்பிட்டிய வரைப்படத் தைமுகாய். இருந்துவர் வரையறை வரையறையின் காரின் வரைப்படம் முடியவும். போன்ற வேளை வேண்டும் என்று வரைக்கவும், என்று வரைப்படும் வரைப்படம் தைமுகாய் தைமுகாய். அதன் வரைப்படத் தைமுகாய் காரின் வேளை வேண்டும் என்று வரைப்படம் தைமுகாய். வேண்டும் வரையறை வரைக்கவும் படப்படும் படப்படும் வரையறை வரையறை வரையறை வரையறை வரையறை வரையறை வரையறை வரையறை வரையறை.

# DRAW-A-MAN TEST

Name:  
Name of the school:  
Grade:  
Birth Date:  

<table>
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<th>Scoring point</th>
<th>Score</th>
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<td>1</td>
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<tr>
<td>21</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
</tr>
</tbody>
</table>

Town:  
Environment level:  
Sex:  
Box/Girl  
Age:  
Date:  
APPENDIX 5

WALLACH-KOGAN'S BATTERY
OF CREATIVITY INSTRUMENTS
AS ADAPTED BY C.R. PARAMESH
This booklet contains a number of tasks similar to games. In each, you will find a thing named for you. Please write in the respective space provided as many things as you can think of that are, like what is given at the top of that space. For example: write all the things that grow, say, tree, baby, animal and so on. These are all the kinds of different answers that are possible. Try to write as many as you can. You may take as much time as you need. Remember to name as many things as you can think of, that are like what is given at the top of each page.
1. Write all the square things that you can think of.

2. Write all the things you can think of that will make noise.

3. Write all the things that you can think of that move on wheels.
This booklet contains a number of game-like tasks on each page. You will find the object named for you on top of the space provided in each page. Please write all the different ways in which that object can be used. Any object can be used in a lot of different ways. For example: write all the ways in which you can use a rope; say drawing water, climbing, tying and so on. There are all kinds of different answers that are possible. Try to write as many as you can. You may take as much time as you need. Remember to write a lot of different ways of using the object given at the top in the respective space provided.
1. Write all the different ways you could use a knife.

2. Write all the different ways you could use a car tyre either the tube or the outer part.

3. Write all the different ways you could use a key the kind that is used in doors.
You may find a number of game-like tasks in this booklet. Two objects are given at the top of the space provided in each page. Please write all the ways that these two objects are alike. For example: write all the ways that two objects namely glass and sand are alike. Now you may think of a lot of different ways that these two are alike, say they are non-living, they can be used in house building, they can be sold and so on. There are all kinds of different answers that are possible. Try to write as many as you can. You may take as much time as you need. Remember to write in the respective space provided as many ways as you can think of, by which the two objects given at the top of each space are alike.
1. Write all the ways in which a potato and a carrot are alike.

2. Write all the ways in which a grocery store (provision) store and a hotel are alike.

3. Write all the ways in which a radio and a telephone are alike.
PATTERN MEANINGS

Instructions

Now you are going to see some designs, one on each page. For each one, you have to write in the space below it, all the things you can think of as to how each complete design looks like. You may feel free to use your imagination. Here is an example on the first page. Tell me what this could be. Yes .......

Your answers are fine. Some of the things we could think of are palm leaves, light rays, brush and so on.

There are lots of other things too. Take your own time to write as many as you can think of. Let us begin now.

"பதினி சிற்பங்கள் வைத்து"
Example
LINE MEANINGS

Instructions

NOW, you are going to see some lines, one on each page. For each one you are to write in the space below all the things the line as a whole makes you think of. See this first line. Write all that it makes you think of. Take your own time to write as many as you can.

Let us begin now.

"அமையும் கருதும் பொருட்கள்"

தலையு:
APPENDIX 6

UNIVERSITY OF MADRAS

DEPARTMENT OF PSYCHOLOGY

Name: Junior Eysenck Personality Inventory
Class: Age:
Name of the school: Sex:
Date:

Here are some questions regarding the way you behave, feel and act. After each question is a space for answering "YES" or "NO". Try to decide whether "YES" or "NO" represents your way of acting or feeling. Then underline the "YES" or "NO" as the case may be, for each of the question, to indicate your answer. Work quickly and do not spend too much time over any question. Be sure not to omit any question. There are no right or wrong answers. Remember to answer every question:

1. Do you like plenty of excitement going on around you? YES NO
2. Do you often need kind friends to cheer you up? YES NO
3. Do you nearly always have a quick answer when people talk to you? YES NO
4. Do you sometimes get cross? YES NO
5. Are you moody? YES NO
6. Would you rather be alone instead of meeting other children? YES NO
7. Do you find it hard to get to sleep at nights because you are worrying about things? YES NO
8. Do you always do as you are told at once? YES NO
9. Do you like practical jokes? YES NO
10. Do you ever feel 'Just Miserable' for no good reason? YES NO
11. Are you usually happy and cheerful? YES NO
12. Have you ever broken any rules at school? YES NO
13. Do lots of things annoy you? YES NO
14. Do you like doing things where you have to act quickly? YES NO
15. Do you worry about awful things that might happen? YES NO
16. Can you always keep every secret? YES NO
17. Can you get a party going? YES NO
18. Do you say your prayers every night? YES NO
19. Do you sometimes get thumping in your heart? YES NO
20. When you make new friends do you usually make the first move? YES NO
21. Have you ever told a lie? YES NO
22. Are you easily hurt when people find fault with you or the work you do? YES NO
23. Do you like telling jokes or funny stories to your friends? YES NO
24. Do you often feel tired for no good reason? YES NO
25. Do you always finish your home work before you play? YES NO
26. Are you rather lively?  YES  NO  
27. Are you touchy about some things?  YES  NO  
28. Do you like mixing with other children?  YES  NO  
29. Do you have "dizzy turns"?  YES  NO  
30. Do you like playing pranks on others?  YES  NO  
31. Do you often feel fed up?  YES  NO  
32. Do you sometimes boast a little?  YES  NO  
33. Are you mostly quiet when you are with others?  YES  NO  
34. Do you sometimes get so restless that you cannot sit in a chair long?  YES  NO  
35. Do you often make up your mind to do things suddenly?  YES  NO  
36. Are you always quiet in class, even when the teacher is out of the room?  YES  NO  
37. Do you have many frightening dreams?  YES  NO  
38. Can you usually let yourself go and enjoy yourself at a gay party?  YES  NO  
39. Are your feelings rather easily hurt?  YES  NO  
40. Have you ever said anything bad or nasty about any one?  YES  NO  
41. Do you call yourself happy-go-lucky?  YES  NO  
42. Do you worry for a long while if you feel you have made a fool of yourself?  YES  NO  
43. Do you often like a rough and tumble game?  YES  NO  
44. Do you always eat everything you are given at meals?  YES  NO  
45. Do you find it very hard to take no for an answer?  YES  NO
46. Do you like going out a lot?  
47. Do you sometimes feel life is not worth living?  
48. Have you ever been cheeky to parents?  
49. Do other people think of you as being very lively?  
50. Does your mind often wander off when you are doing a job?  
51. Would you rather sit and watch than play at parties?  
52. Do you usually feel fairly sure you can do the things you have to?  
53. Do ideas run through your head so that you cannot sleep?  
54. Do you often feel lonely?  
55. Are you shy of speaking first when you meet new people?  
56. Do you often make up your mind when it is too late?  
57. When children shout at you, do you shout back?  
58. Do you sometimes feel specially cheerful and at other times sad without any good reason?  
59. Do you find it hard to really enjoy yourself at a lively party?  
60. Do you often get into trouble because you do things without thinking first?
APPENDIX 7

முறையிட்டு _ _ _ _ _ _ _ _ _ _

முறை

அடியு

பதிப்பிட்டு முறை

து/முறை

339

இந்திக்க மகளும் பிரிவுகளை, கூறிய கூறுகளை

செய்யவும் செய்ய முடித்து எனக்கும் விளக்கத்திற்கும் யார்களைத்.

இதனோடு உண்மையான விளக்கம் "வா" மற்றும் விளக்கம் "வாவ"

செய்ய முடியும் முதலான செயற்பாடுகளை விளக்கம் "வாவ"

செய்ய முடியும் முதலான செயற்பாடுகளை விளக்கம் "வாவ"

முழு குறிப்பிட்டு விளக்கம் "வா" மற்றும் "வாவ"

செய்ய முடியும் முதலான செயற்பாடுகளை விளக்கம் "வாவ"

செய்ய முடியும் முதலான செயற்பாடுகளை விளக்கம் "வாவ"

செய்ய முடியும் முதலான செயற்பாடுகளை விளக்கம் "வாவ"

செய்ய முடியும் முதலான செயற்பாடுகளை விளக்கம் "வாவ"

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செய்ய முடியும் முதலான செயற்பாடுகளை விளக்கம் "வாவ"

செய்ய முடியும் முதலான செயற்பாடுகளை விளக்கம் "வாவ"

செய்ய முடியும் முதலான செயற்பாடுகளை விளக்கம் "வாவ"

செய்ய முடியும் முதலான செயற்பாடுகளை விளக்கம் "வாவ"

செய்ய முடியும் முதலான செயற்பாடுகளை விளக்கம் "வாவ"

செய்ய முடியும் முதலான செயற்பாடுகளை விளக்கம் "வாவ"

செய்ய முடியும் முதலான செயற்பாடுகளை விளக்கம் "வாவ"

செய்ய முடியும் முதலான செயற்பாடுகளை விளக்கம் "வாவ"

செய்ய முடியும் முதலான செயற்பாடுகளை விளக்கம் "வாவ"

செய்ய முடியும் முதலான செயற்பாடுகளை விளக்கம் "வாவ"

செய்ய முடியும் முதலான செயற்பாடுகளை விளக்கம் "வாவ"

செய்ய முடியும் முதலான செயற்பாடுகளை விளக்கம் "வாவ"

செய்ய முடியும் முதலான செயற்பாடுகளை விளக்கம் "வாவ"

செய்ய முடியும் முதலான செயற்பாடுகளை விளக்கம் "வாவ"

செய்ய முடியும் முதலான செயற்பாடுகளை விளக்கம் "வாவ"

செய்ய முடியும் முதலான செயற்பாடுகளை விளக்கம் "வாவ"

செய்ய முடியும் முதலான செயற்பாடுகளை விளக்கம் "வாவ"

செய்ய முடியும் முதலான செயற்பாடுகளை விளக்கம் "வாவ"

செய்ய முடியும் முதலான செயற்பாடுகளை விளக்கம் "வாவ"

செய்ய முடியும் முதலான செயற்பாடுகளை விளக்கம் "வாவ"

செய்ய முடியும் முதலான செயற்பாடுகளை விளக்கம் "வாவ"

செய்ய முடியும் முதலான செயற்பாடுகளை விளக்கம் "வாவ"

செய்ய முடியும் முதலான செயற்பாடுகளை விளக்கம் "வாவ"

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7. தம வேலம் உள்ளது ஆக தம புகழ்
இன்று இருக்கும் என்றாலும்?

8. பெருமாள் வேங்குவதற்கு இருக்கும் என்று?

9. மரத்தை விளக்கச் செய்து வைத்துக் கொண்ட பொருளாகவே ஓர் கையில் வைத்து வைத்து?

10. ஐரோப்பிய வேலவை இருக்கும் கையில் இருக்கும் என்று?

11. அவள நூற்றறது விளக்கச் செய்து வைத்து?

12. புள்ளியில் பிறப்பு வேறு விளக்கச் செய்து?

13. புள்ளியில் பிறப்பு வேறு விளக்கச் செய்து?

14. வகையையான வேலவை வெளிப்படுத்துவதற்கு இன்று இருக்கும் என்று?

15. வெளியையான வேலவை வெளிப்படுத்துவதற்கு இன்று இருக்கும் என்று?

16. செல்வாட வேலவையை வெளிப்படுத்துவதற்கு இன்று இருக்கும் என்று?

17. வந்த ரூபாம் வேலவையை வெளிப்படுத்துவதற்கு இன்று இருக்கும் என்று?

18. காந்தியை வெளியையான வேலவையை வெளிப்படுத்துவதற்கு?

19. வெளியையான வேலவையை வெளிப்படுத்துவதற்கு?

20. வெளியையான வேலவையை வெளிப்படுத்துவதற்கு?

21. வெளியையான வேலவையை வெளிப்படுத்துவதற்கு?

22. வெளியையான வேலவையை வெளிப்படுத்துவதற்கு?

23. வெளியையான வேலவையை வெளிப்படுத்துவதற்கு?
43. தேவதையில் உள்ள உலகத்தை எவ்வாறு காணும் கூட்டம் என்றும் என்றும் மகர்தாமன் கூறுகிறார்;

44. உங்கள் வாய்ந்த நீளான மாடமுளர் கண்டது அவளை கருதிய மனிதர்;

45. உங்கள் அரசன் மகர்தாமன் அரசன் “தேவதா” கூற்று தாயார் உன்னை வாழ்க்கை விளக்கும்?

46. உங்கள் நடவடிக் கூற்று உயிரியை வாழ்க்கையார்?

47. உங்கள் வாழ்க்கையை எவ்வாறு வாழ்க்கையார்?

48. உங்கள் வாழ்க்கையை எவ்வாறு வாழ்க்கையார் இத்தொடர்லாவோ என்று வாழ்க்கையார்?

49. எதேனும் எவ்வாறு எல்லாவோ என்று வாழ்க்கையார்?

50. உங்கள் வாழ்க்கையை எவ்வாறு வாழ்க்கையார் என்று வாழ்க்கையார்?

51. உங்கள் வாழ்க்கையை எவ்வாறு வாழ்க்கையார் என்று வாழ்க்கையார்?

52. உங்கள் வாழ்க்கையை எவ்வாறு வாழ்க்கையார்?

53. உங்கள் வாழ்க்கையை எவ்வாறு வாழ்க்கையார்?

54. உங்கள் வாழ்க்கையை எவ்வாறு வாழ்க்கையார்?

55. உங்கள் வாழ்க்கையை எவ்வாறு வாழ்க்கையார்?

56. உங்கள் வாழ்க்கையை எவ்வாறு வாழ்க்கையார்?

57. உங்கள் வாழ்க்கையை எவ்வாறு வாழ்க்கையார்?

58. உங்கள் வாழ்க்கையை எவ்வாறு வாழ்க்கையார்?

59. உங்கள் வாழ்க்கையை எவ்வாறு வாழ்க்கையார்?

60. உங்கள் வாழ்க்கையை எவ்வாறு வாழ்க்கையார்?
Multiple Correlation

Consider the multiple correlation between \( x_1 \) and \( x_2, x_3, \ldots, x_p \) (\( R_{1.23,\ldots,p} \)), (i.e. the correlation between \( x_1 \) and expected values of \( x_1 \) based on \( x_2, x_3, \ldots, x_p \))

\[
R_{1.23,\ldots,p}^2 = 1 - \frac{\Delta}{\Delta''}
\]

where \( \Delta = \begin{vmatrix} 1 & r_{12} & r_{13} & \ldots & r_{1p} \\ r_{21} & 1 & r_{23} & \ldots & r_{2p} \\ \vdots & \vdots & \ddots & \vdots & \vdots \\ r_{p1} & r_{p2} & \ldots & 1 \end{vmatrix} \)

and \( \Delta'' \) is the minor of the element in the first row and first column of \( \Delta \).

(Note: \( R_{1,2,\ldots,p} \) is necessarily positive or zero and lies between zero and \( \rho \).

Testing the Significance of an Observed Multiple Correlation:

Let \( R \) be the multiple correlation coefficient between a variate and \( p \) other variates, of a random sample of size \( N \) drawn from \( (p+1) \) variate normal distribution. Consider the test statistic

\[
F = \frac{R^2}{\frac{1}{p} - R^2} \cdot \frac{N-p-1}{p}
\]

and \( F \) follows the Snedecor's \( F \)-distribution with \( p \), \( p, N-p-1 \) d.f.

The Null hypothesis is that population multiple correlation coefficient is zero. For a given sample, when the observed \( F \) exceeds the tabled \( F \) with appropriate d.f. at \( \alpha \% \) level of significance we reject the null hypothesis and conclude that the observed multiple correlation is significant at \( \alpha \% \) level of significance.