APPENDIX : B

PRE-PILOT FORM OF THE INTELLIGENCE TESTS
APPENDIX : B

I.Q. TEST
FOR STUDENTS AGE GROUP 14-17 YEARS

PRE-PILOT FORM
2001- 2002

Guided by: Investigator:
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VALLABH VIDYANAGAR
PRE-PILOT FORM

SECTION I. : VERBAL TEST

Part I : VERBAL ABILITY
SECTION I. VERBAL TEST

Select the correct answer from a, b, c, d, e by putting X on right answer in the answer-sheet.

Part I. VERBAL ABILITY

<table>
<thead>
<tr>
<th>From No.1 to 5. Find the synonym of:</th>
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<tr>
<td><strong>Example.</strong> &quot;thin&quot;</td>
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<td>a. small</td>
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<tr>
<td><strong>Answer</strong></td>
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<tr>
<td><strong>1.</strong> &quot;tiny&quot;</td>
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<td>A. very small</td>
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<td><strong>2.</strong> &quot;rush&quot;</td>
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<td>a. hurry</td>
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<td><strong>3.</strong> &quot;disclose&quot;</td>
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<td>A. Part</td>
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<td><strong>4.</strong> &quot;postpone&quot;</td>
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<td>a. break</td>
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<td><strong>5.</strong> &quot;city&quot;</td>
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<td>A. large</td>
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<tr>
<th>From No.6 to 11 Find the antonym of:</th>
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<tr>
<td><strong>Example.</strong> &quot;black&quot;</td>
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<td>a. white</td>
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<tr>
<td><strong>Answer</strong></td>
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<td><strong>6.</strong> &quot;glow&quot;</td>
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<tr>
<td>a. darken</td>
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</table>
7. "conflict"
   A. consent  B. sacrifice  C. follows  D. consistent  E. agreement

8. "increase"
   a. decrease  b. slow  c. think  d. pull out  e. wait

9. "loudness"
   A. noise  B. silence  C. quit  D. peace  E. hear

10. "create"
    a. listen  b. demolish  c. proceed  d. renovate  e. modify

11. "hate"
    A. love  B. drive  C. hide  D. consent  E. like

From No. 12 to 14 Arrange the letters correctly and get the name.

Example  "OGD"
A. ocean  B. country  C. state  D. city  E. animal

Answer A  B  C  D  

12. "BARBIT"
    a. ocean  b. country  c. state  d. city  e. animal

13. "RAPIS"
    A. ocean  B. country  C. state  D. city  E. animal

14. "MANGERY"
    a. ocean  b. country  c. state  d. city  e. village

Note
From Try-Out Form No. 15 is difficult item and it is rejected.
PRE-PILOT FORM

SECTION I. : VERBAL TEST

Part II : REASONING ABILITY
Part II. REASONING ABILITY

From No.1 to 17. Find one that makes the best comparison?

(0) Example. bird : nest → man : ?
A. room B. house C. bed D. car E. office
Answer A X C D E

1. bananas : groups → coconuts : ?
A. fruit B. palm C. bunch D. height E. fat

2. criminal : police → enemy : ?
a. gun b. fight c. soldier d. dangerous e. war

3. needle : cloth → nail : ?
A. wood B. leather C. iron D. zinc E. tile

4. bird : fly → human : ?
a. run b. walk c. step d. creep e. jump

5. brother : sister → niece : ?
A. mother B. daughter C. aunt D. uncle E. nephew

6. milk : glass → letter : ?
a. stamp b. pen c. envelop d. book e. mail

7. LIVE : EVIL → 5232 : ?
A. 2532 B. 3252 C. 2325 D. 3225 E. 5223

8. tree : ground → chimney : ?
a. smoke b. brick c. sky d. garage e. house

9. CAACCAC : 3113313 → CACAACAC : ?
A. 13133131 B. 13133313 C. 31311131 D. 31311313 E. 31313113

10. gun : bullet → cannon : ?
a. bat b. slingshot c. ball d. pitcher e. catapult

11. belt : buckle → sock : ?
A. shoe B. toe C. foot D. lace E. sole
### 12. Powered : Coarse Level
- a. low-lying
- b. hill
- c. hole
- d. rough
- e. crude

### 13. Foot : Knee
- A. finger
- B. elbow
- C. toe
- D. leg
- E. arm

### 14. Water : Ice
- a. honey
- b. cheese
- c. cereal
- d. coffee
- e. cookie

### 15. Teachers : Teach
- A. bring up
- B. scripture
- C. religion
- D. preach
- E. bag

### 16. Tall : Short
- a. plump
- b. fat
- c. stout
- d. proficient
- e. healthy

### 17. Sports : Rule
- A. temple
- B. commandment
- C. cardinal
- D. church
- E. Dhamma

### From No. 18 to 34
Find the one that does not characteristic with the other.

#### Example
- a. dog
- b. car
- c. cat
- d. bird
- e. fish

**Answer** a X c d e

### 18. a. bear
- b. snake
- c. cow
- d. dog
- e. goat

### 19. A. potato
- B. corn
- C. apple
- D. carrot
- E. bean

### 20. a. touch
- b. taste
- c. hear
- d. smile
- e. see

### 21. A. pent
- B. dress
- C. shoe
- D. purse
- E. hat

### 22. a. copper
- b. iron
- c. brass
- d. tin
- e. lead

### 23. A. bottle
- B. cup
- C. tub
- D. funnel
- E. bowl

### 24. a. wheat
- b. grass
- c. barley
- d. oats
- e. rice

### 25. A. horse
- B. kangaroo
- C. zebra
- D. deer
- E. donkey

### 26. a. ham
- b. liver
- c. salmon
- d. pork
- e. beef

### 27. A. inch
- B. mile
- C. acre
- D. yard
- E. foot
28. a. ask  b. examine  c. investigate  d. inquire  e. interview
29. A. confuse  B. dark  C. Conspire  D. worry  E. question
30. a. salad  b. boil  c. grill  d. burn  e. fry
31. A. jackfruit  B. mangosteen  C. longan  D. durian  E. sweetsop
32. a. depth  b. length  c. thickness  d. tightness  e. width
33. A. lead  B. pull  C. drag  D. tow  E. push
34. a. brush  b. pencil  c. chalk  d. pen  e. rubber

From No. 35 to 37 Find the best answer.

35. Lisa is more beautiful than Vivian, but she is not more beautiful than Julia. Julia is as beautiful as Windy. Who is the least beautiful?
   A. Julia  B. Windy  C. Lisa  D. Vivian  E. can’t summarise

36. Jack told his mother “Mom I want to eat fish-rice gruel but you don’t put rice gruel in it”. What is the mean of statement?
   e. can’t summarise.

37. Jack is taller than Peter, and Bill is shorter than Jack. Which of the following statements would be most accurate?
   A. Bill is taller than Peter.  B. Bill is shorter than Peter.
   C. Bill is as tall as Peter.  D. Can’t summary.
   E. It is impossible to tell whether Bill or Peter is taller.

Note.
From Try-Out Form No. 16, 37 and 39 are difficult items and they are rejected.
PRE-PILOT FORM

SECTION I. : VERBAL TEST

Part III : NUMERICAL ABILITY
Part III. NUMERICAL ABILITY

From No. 1 to 11. Find the missing number.

Example 2 4 6 8 ..?..  
A. 10  B. 11  C. 12  D. 14  E. 16

Answer X  B  C  D  E

1. 1 3 5 7 ..?..  
A. 8  B. 10  C. 11  D. 9  E. 12

2. 12 10 8 6 ..?..  
a. 5  b. 4  c. 3  d. 2  e. 1

3. 2 5 8 11 ..?..  
A. 13  B. 15  C. 17  D. 12  E. 14

4. 7 10 9 12 11 ..?..  
a. 14  b. 15  c. 16  d. 10  e. 12

5. 8 12 16 20 ..?..  
A. 26  B. 29  C. 30  D. 22  E. 24

6. 6 9 18 21 42 45 ..?..  
a. 90  b. 100  c. 48  d. 68  e. 75

7. 25 20 15 10 ..?..  
A. 9  B. 8  C. 7  D. 5  E. 4

8. 2 5 9 19 37 ..?..  
a. 44  b. 75  c. 68  d. 74  e. 11

9. 8 12 10 16 12 ..?..  
A. 8  B. 14  C. 20  D. 24  E. 30

10. 5 ..?.. 3 3 6 36 40  
a. 0  b. 1  c. 2  d. 3  e. 4

11. ..?.. 3 11 9 3 10 7  
A. 2  B. 4  C. 6  D. 7  E. 9
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<td>c. 5</td>
<td>d. 7</td>
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**From No. 13 to 19** Find the correct answer.

(==) **Example.** Last $X$ years Mary was $Y$ years old. How old is she when will next $Z$ years?

A. $X+Y-Z$  
B. $X+Y+Z$  
C. $X-Y+Z$  
D. $X-Y-Z$  
E. $Y-X-Z$

**Answer** A [X] C D E

13. John, twelve years old, is three times as old as his brother. How old will John be, when he is twice as old as his brother?

A. 15  
B. 16  
C. 18  
D. 20  
E. 21

14. The price of an article was cut 20% for a sale, by what percent must the item be increased again to sell the article at the original price?

a. 15%  
b. 20%  
c. 25%  
d. 30%  
e. 40%

15. Mary has a number of cookies. After eating one, she gave half the remainder to her sister. After eating another cookie, she gave half of what was left to her brother. Mary now had only five cookies left. How many cookies did she start with?

A. 11  
B. 22  
C. 23  
D. 45  
E. 46

16. John received 34 Baths change from a purchase in drugstore. If he received 10 coins, six of the coins had to be:

a. 10 Bath.  
b. 5 Bath.  
c. 1 Bath.  
d. quarters  
e. half- Bath

17. John's mother sent him to the store to get 9 large cans of peaches. John could carry 2 cans at a time. How many trips to the store did John have to make?

A. 4  
B. 4 $1/2$  
C. 5  
D. 5 $1/2$  
E. 6
18. Mary was both 13th highest and 13th lowest in spelling contest. How many people were in the contest?
   a. 13  b. 25  c. 26  d. 27  e. 28

19. A fish has a head 9" long. The tail is equal to the size of the head plus one half the size of the body. The body is the size of the head plus tail. How long is the fish?
   a. 27"  b. 54"  c. 63"  d. 72"  e. 81"

Note
   From Try-Out Form No. 13 is difficult item and it is rejected.
PRE-PILOT FORM

SECTION II. : NON-VERBAL TEST

Part I : INFORMATION ABILITY
PRE- PILOT FORM

SECTION II. NON- VERBAL TEST

Select the correct answer from a, b, c, d, e by putting X on right answer in the answer-sheet.

Part I. INFORMATION ABILITY

(0) Example. Find the one which does not represent fruit.
   Answer: A C D E

(00) Example. Find the one which works on the principle of reflection.
   Answer: a b c d

1. Find the one that is the national animal of Thailand.
2. Find the one which is used most oftenly by people.
3. Find the object which is used to measure the large object.
4. Find the picture that shows an urban environment.
5. Find the one that would move through the greatest.
6. Find the one which is most economical & quite oftenly used in cold weather.
7. Find the sport which needs large area for playing.
8. Find the one which may not be good for health.
9. Find the one that is popular on the valentine day.
10. Find the object which works on the principle of light to show the spectrum.
11. Find the apparatus that is used for viewing germ.
12. Find the one that shows air pressure.
13. Find the one that produces honey.
14. Find the object that is the entertainment.
15. Find the apparatus which would help to fit the screw.
16. Find the one, which is used most oftenly by the detective policeman.
17. Find the object that would be helpful for protection.
18. Find the picture that shows quick mode of travel.
19. Find the object which does not require electricity.
20. Find the insect which is highly poisonous.
21. Find the picture that shows checkup action.
22. Find the sport that is popular for Thais.
23. Find the picture which shows foot of a cruel animal.
24. Find the one in which consumption of power is less.
25. Find the object which moves by itself.
26. Find the thing which does not pollute save the environment.
27. Find the object that would move constantly.
28. Find the apparatus through which chemically construct pure water is obtained.
29. Find the one which requires less force for the movement of an object.
30. Find the object which is highly flexible.
31. Find the picture which could be known the age.
32. Find the object which shows the principle of gravity.
33. Find the one that shows capillary action.
34. Find the one that shows the democratic rule.
35. Find the picture that is the generator.
36. Find the picture that is symbol of danger.
37. Find the one that shows the modern technology.
38. Find the picture that shows the symbol of ruling.
39 Find the one that shows the occupation.
40. Find the picture that shows about height.
41. Find the picture that shows about fair system.
42. Find the one that is most essential for life.
43. Find the one that would not useful for human.
44. Find the object which shows most economical method of communication.
45. Find the picture that shows basic step towards the development of nation.

46. Find the one that is most important for the man to be good.

Note

From Try-Out Form No. 15, 20 26 and 35 are difficult item and they are rejected.
Section II. Non-Verbal Test

Part I. Information Ability

1. A B C D E

2. A B C D E

3. A B C D E

4. A B C D E
<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
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PRE-PILOT FORM

SECTION I. : NON-VERBAL TEST
Part II : REASONING ABILITY
Part II. REASONING ABILITY

From No. 1-47. Find the one which does not suit the pattern.

(0) Example

Answer: A B C X E

(00) Example

Answer: a b c X e

Note

From Try-Out Form No. 15, 18 and 21 are difficult items and they are rejected.
Part II. Reasoning Ability.

A B C D E

\[ A \ 6 \ C \ D \ E \]

\[ a \ b \ c \ d \ e \]

\[ a \ b \ c \ d \ e \]

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\[ a \ b \ c \ d \ e \]
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