

APTITUDE TEST - 2013

[Booklet Number]

Full marks : 100

Time : 1 hour

Read the following instructions carefully.

1. This question paper contains all objective questions.
2. Questions must be answered on Objective Response Sheet (ORS) by darkening the appropriate bubble (marked A,B,C,D) against the question number on the respective Left hand columns. Each question has only one correct/best answer.
3. All ORS will be processed by electronic means. Hence, invalidation of Answer Sheet due to folding or putting stray marks on it or any damage to the Answer Sheet as well as incomplete/incorrect filling of the Answer Sheet will be the sole responsibility of the candidate.
4. Q.1 to 30 carry 3 marks each and for each incorrect answer 1 mark will be deducted. Q.31 to 40 carry 1 mark each and for each incorrect answer $\frac{1}{3}$ mark will be deducted.
5. Answers without any response will be awarded zero mark. Wrong response or more than one response will be treated as incorrect answer and negative marks will be awarded for the same.
6. Write your Roll number, Application Form No. and Question Booklet number at the specified locations of the ORS.
7. Use only Black/Blue Ball Point Pen to mark the answers by complete filling up of the respective bubbles.
8. Mobile phones, Calculators, Slide Rules, Log Tables and Electronic Watches with facilities of Calculator, Charts, Graph sheets or any other form of Tables are NOT allowed in the examination hall. Possession of such devices during the examinations may lead to cancellation of the paper besides seizing of the same.
9. Mark the answers only in the space provided. Please do not make any stray mark on the ORS.
10. Rough work can be done on the question paper itself. Additional blank pages are given at the end of the question paper for rough work.
11. This question paper contains 12 printed pages including pages for rough work. Please check all pages and report, if there is any discrepancy.
12. Please hand over the ORS to the Invigilator before leaving the Examination Hall.

APTITUDE TEST, 2013

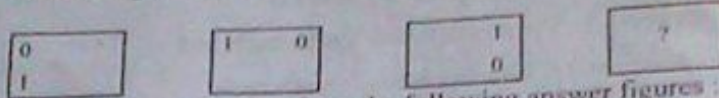
Question Numbers 1-30 carry 3(three) marks each and
question numbers 31-40 carry 1 (one) mark each.

Full Marks : 100

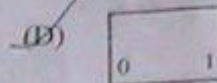
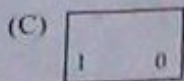
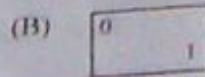
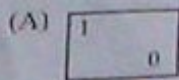
Time : One Hour

1. 10000, -11000, 9900, -10890, 9801 ?
(A) 10241 (B) 10423
(C) 10781 (D) 10929
2. The ratio of the sum of two numbers and their L.C.M. is 7 : 12. If their H.C.F. is 4, what would be the numbers ?
(A) 12, 16 (B) 7, 16
(C) 10, 12 (D) 16, 10
3. A cyclist after travelling a distance of 40 kms. observed that if he would run with a speed of 2 kms./hr more, he could arrive there one hr. before. What is the speed of the cyclist in kms/hr.? Select from the following options :
(A) 5 kms/hr. (B) 12 kms/hr.
(C) 8 kms/hr. (D) 9 kms/hr.
4. If, A is brother of B, B is brother of C, C is brother of D, D is sister of E, then which one of the following statements is not necessarily true?
(A) D is sister of C (B) B and C are brothers
(C) A, B, C are male (D) D and E are sisters
5. India includes Assam. Assam does not include Manipur. So, India does not include Manipur.
(A) Inference is definitely true (B) Inference is definitely false
(C) Inference is uncertain (D) Inference can not be drawn

6. Problem figures are :



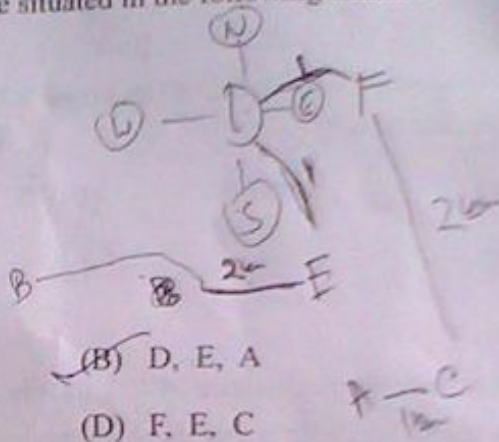
Select the correct option from the following answer figures :



7. Six villages A, B, C, D, E and F are situated in the following manner :

- ✓ F is one km. east to D
- ✓ B is two kms. west to E
- ✓ C is two kms. south to F
- A is one km. west to C
- ✓ E is one km. south to D

which three villages are in a line?



(A) F, E, B

☒ (B) D, E, A

(C) B, A, C

(D) F, E, C

8. Anwar's father is the only son of Mahesh's father. How is Mahesh related to Anwar?

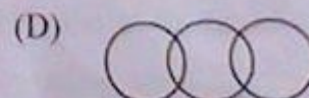
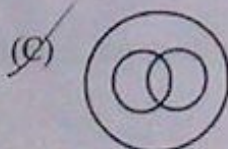
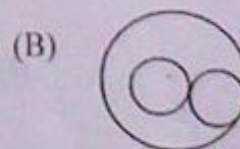
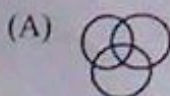
☒ (A) Father

(B) Brother

(C) Uncle

(D) None of these

9. Which one of the following figures represents Family, Son and Daughter?



10. (i) $(P + Q)$ means P is brother of Q (ii) $(P - Q)$ means Q is father of P
 (iii) $(P \times Q)$ means Q is mother of P (iv) $(P \div Q)$ means P is sister of Q

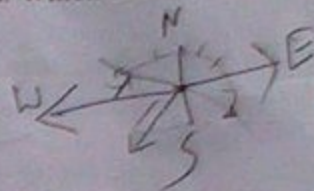
Then, which of the following means M is maternal uncle of R?

- (A) $R \times N \div M$ (B) $M + N \times R$
 (C) $M \div N \times T + R$ (D) Can not be determined

11. A man is facing west. He turns 45° in the clockwise direction and then another 180° in the same direction and then 270° in the anti-clockwise direction. Which direction is he facing now?

- (A) South
 (C) West

- (B) North-west
 (D) South-west



12. $ABCD : NPRT :: FGHI : ?$

- (A) KLMN
 (C) RTUW

- (B) OQRT
 (D) SUWY

13. In a certain code BASIC is written as DDULE. How is LEADER written in that code?

- (A) NGCFGT
 (C) OGDFHT

- (B) NHCGGU
 (D) OHDGHU

14. If RED is coded as 6720, then how would GREEN be coded?

- (A) 1677199
 (C) 16717209

- (B) 1677209
 (D) 9207716

15. On another planet, the local terminology for 'earth', 'water', 'light', 'air' and 'sky' are 'sky', 'light', 'air', 'water', and 'earth' respectively. If someone is thirsty there, what would he drink?

- (A) Light

- (B) Air

- (C) Sky

- (D) Water

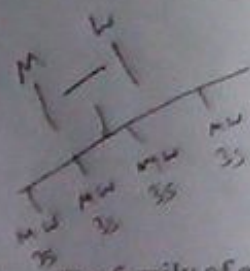
16. In a certain code language,

- (i) 'pit na som' means 'bring me water';
- (ii) 'na jo tod' means 'water is life';
- (iii) 'tub od pit' means 'give me toy';
- (iv) 'jo lin kot' means 'life and death';

Which of the following presents 'is' in that language?

- (A) jo
- (C) tod

- (B) na
- (D) lin



17. A family has a man, his wife, their four sons and their wives. The family of every son also has 3 sons and one daughter. Find out the total number of male members in the whole family.

- (A) 4

- (B) 8

- (C) 12

- (D) 17

18. Ravi and Hari are good in Hockey and Volleyball. Subhas and Ravi are good in Hockey and Baseball. Gaurav and Hari are good in Cricket and Volleyball. Subhas, Gaurav and John are good in Football and Baseball. Then who is good in Hockey, Cricket and Volleyball?

- (A) Subhas

- (B) Hari

- (C) Ravi

- (D) Gaurav

19. T, U, V, W, X, Y and Z are sitting on a wall and all of them are facing east.

V is on immediate right of W.

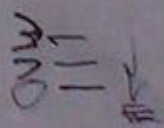
U is at an extreme end and has

X as his neighbour

Z is between X and Y

W is sitting third from the south end.

Then, who is sitting right of X?



- (A) T

- (B) V

- (C) W

- (D) Z

20. A, B, C, D and E are five friends. A is shorter than B, but taller than E. C is the tallest. D is shorter than B, but taller than A. Who has two persons taller and two persons shorter than him?

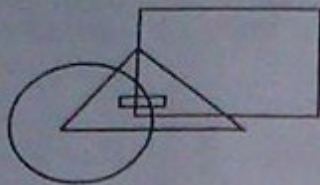
(A) A

(B) B

(C) C

(D) D

21.



☒ Govt. employees

☒ Urban people

☒ Graduates

☒ Teachers

Which one of the following statements is true?

(A) All teachers are govt. employees

(B) All govt. employees are graduate

(C) No teacher is a govt. employee

(D) There are some teachers who are govt. employees as well as graduates

22. How many A's are there in the following series which are immediately followed by B as well as immediately preceded by Z?

A M B Z A N A A B Z A B A P Z A B A Z A B

(A) Nil

(B) One

(C) Two

(D) Three

23. Unscramble the letters in the given words and find the odd one out :

(A) EIWNTR WINTER

(B) UMRSME USE ME

RESUME

(C) PIGRSN

(D) LCUOD

CLOUD

24. If $A + B > C + D$ and $B + C > A + D$, then it is definite that

(A) $D > B$

(B) $C > D$

(C) $A > D$

(D) $B > D$

$$\begin{aligned} B + A &> C + D \\ B - A &> D - C \\ \hline B &> D \end{aligned}$$

25. How many such 5s are there in the following number sequence each of which is immediately preceded by 3 or 4 but not immediately followed by 8 or 9?

3 5 9 5 4 5 5 3 8 4 5 6 7 3 5 7 5 5 4 5 2 3 5 1 0

(A) None

(B) Three

(C) Four

(D) Five

26. Which is the third number to the left of the number which is exactly in the middle of the following sequence of numbers?

1 2 3 4 5 6 7 8 9 2 4 6 8 9 7 5 3 1 9 8 7 6 5 4 3 2 1

- (A) 3 (B) 4
(C) 5 (D) 6

27. If the first and second digits in the sequence 5981327438 are interchanged, also the third and fourth digits, the fifth and sixth digits and so on, which digit would be the seventh counting to your left?

- (A) 1 (B) 4
(C) 7 (D) 8

28. Thirty six vehicles are parked in a parking lot in a single row. After the first car, there is one scooter. After the second car, there are two scooters. After the third car, there are three scooters and so on. Work out the number of scooters in the second half of the row.

- (A) 10 (B) 12
(C) 15 (D) 17

1-1 2-2 3-3 4-4 5-5 6-6

29. Sonu ranked ninth from the top and thirty-eighth from the bottom in a class. How many students are there in the class?

- (A) 45 (B) 46
(C) 47 (D) 48

9 7-2 8-8
32 9-9, 10-10

30. If the seventh day of a month is three days earlier than Friday, what day will it be on the nineteenth day of the month?

- (A) Sunday (B) Monday
(C) Wednesday (D) Friday

7-7
8-8
9-9

31. If '+' means 'minus', '×' means 'divided by', '÷' means 'plus' and '-' means 'multiplied by', then which of the following will be the value of the expression $252 \times 9 - 5 + 32 \div 92$?

- (A) 95 (B) 168
(C) 192 (D) 200

32. If 1st October is Sunday, then 1st November will be -

- (A) Monday (B) Tuesday
(C) Wednesday (D) Thursday

13432

33. Arrange the following in a logical order :

1. Birth 2. Death 3. Funeral 4. Marriage 5. Education

(A) 1, 3, 4, 5, 2

(B) 1, 5, 4, 2, 3

(C) 2, 3, 4, 5, 1

(D) 4, 5, 3, 1, 2

34. If 100 cats kill 100 mice in 100 days, then 4 cats would kill 4 mice in how many days?

(A) 1 day

(B) 4 days

(C) 40 days

(D) 100 days

35. Five children take part in a tournament. Each one has to play every other one. How many games must they play?

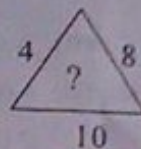
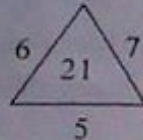
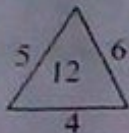
(A) 8

(B) 10

(C) 24

(D) 30

36.



Find the missing character from among the given alternatives :

(A) 22

(B) 30

(C) 32

(D) None of these

37. Find the number of triangles in the given figure :



(A) 4

(B) 5

(C) 6

(D) 7

38. Pick the first, second, fourth, fifth and sixth letters of the word REASONING, form yet another word and then write the first and the last letters of the word formed.

(A) OR

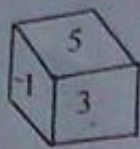
(B) NE

(C) SE

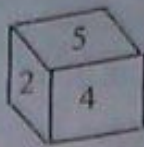
(D) ES

RES

39. Two position of a block are shown below :



and



When 5 is on the top, what is at the bottom ?

(A) 6

(B) 4

(C) 3

(D) 1

40. Which of the following sets is best represented in the given diagram ?



(A) Animals, Insects, Cockroaches

(B) Animals, Males, Females, Hermaphrodi

(C) States, Districts, Union Territories

(D) Country, States, Districts