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DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO

T. B. C. : AS – 4

Test Booklet Series

Serial No. 06333

A

TEST BOOKLET

SPECIAL RECRUITMENT OF A.S.O.

TEST OF REASONING AND MENTAL ABILITY

Time Allowed : 1 Hour

Maximum Marks : 100

: INSTRUCTIONS TO CANDIDATES :

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET **DOES NOT** HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET OF THE SAME SERIES ISSUED TO YOU.
2. ENCODE CLEARLY THE TEST BOOKLET SERIES **A, B, C** OR **D**, AS THE CASE MAY BE, IN THE APPROPRIATE PLACES IN THE ANSWER SHEET USING BALL POINT PEN (BLUE OR BLACK).
3. You have to enter your **Roll No.** on the Test Booklet in the Box provided along side. **DO NOT** write *anything else* on the Test Booklet.
4. This Test Booklet contains **50** items (questions). Each item (question) comprises four responses (answers). You have to select the correct response (answer) which you want to mark (darken) on the Answer Sheet. In case, you feel that there is more than one correct response (answer), you should mark (darken) the response (answer) which you consider the best. In any case, choose **ONLY ONE** response (answer) for each item (question).
5. You have to mark (darken) all your responses (answers) **ONLY** on the **separate Answer Sheet** provided, by **using BALL POINT PEN (BLUE OR BLACK)**. See instructions in the Answer Sheet.
6. All items (questions) carry equal marks. All items (questions) are compulsory. Your total marks will depend only on the number of correct responses (answers) marked by you in the Answer Sheet. **There will be no negative marking for wrong answer.**
7. Before you proceed to mark (darken) in the Answer Sheet the responses to various items (questions) in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per the instructions in your **Admission Certificate**.
8. After you have completed filling in all your responses (answers) on the Answer Sheet and after conclusion of the examination, you should hand over to the Invigilator the *Answer Sheet* issued to you. You are allowed to take with you the candidate's copy/second page of the Answer Sheet along with the *Test Booklet* after completion of the examination for your reference.

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Direction (Q. Nos. 1 – 4) : *Find out the correct number to fill in the spaces which will continue the same pattern.*

1. 2, 12, 30, 56, 90, _____ .
   (A) 132
   (B) 121
   (C) 130
   (D) 129

2. 2, 7, 28, 63, 126, _____ .
   (A) 216
   (B) 217
   (C) 215
   (D) 219

3. 999, 730, 511, 344, 215, _____ .
   (A) 123
   (B) 124
   (C) 125
   (D) 126

4. 11, 14, 24, 41, 65, _____ .
   (A) 91
   (B) 93
   (C) 96
   (D) 98

Direction (Q. Nos. 5 – 8) : *Find out the correct letter/letters to fill in the spaces which will continue the same pattern.*

5. Z, L, X, J, V, H, T, F, _____, _____.
   (A) R, D
   (B) R, E
   (C) S, E
   (D) Q, D

6. BD, GI, LN, QS, _____ .
   (A) TV
   (B) UW
   (C) WX
   (D) VX

7. cx, fu, ir, _____, ol, ri.
   (A) lo
   (B) mn
   (C) no
   (D) op

8. OTE, PUF, QVG, RWH, _____ .
   (A) SYJ
   (B) TXI
   (C) SXJ
   (D) SXI

9. If South-East becomes North, North-East becomes West and so on. What will West become ?
   (A) North-East
   (B) North-West
   (C) South-East
   (D) South-West

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10. Rahul put his time piece on the table in such a way that at 6 P.M. hour hand points to North. In which direction the minute hand will point at 9.15 P.M. ?

(A) South-East

(B) South

(C) North

(D) West

11. A is 40 m South-West of B. C is 40 m South-East of B. Then, C is in which direction of A ?

(A) West

(B) North-East

(C) South

(D) East

12. The town of Paranda is located on Green Lake. The town of Akram is West of Paranda. Tokhada is East of Akram but West of Paranda. Kakran is East of Bopri but West of Tokhada and Akram. If they are all in the same district, which town is the farthest West ?

(A) Bopri

(B) Kakran

(C) Akram

(D) Paranda

13. If cloud is called white, white is called rain, rain is called green, green is called air, air is called blue and blue is called water, where will the birds fly ?

(A) Air

(B) Cloud

(C) Blue

(D) Rain

14. In a certain code, '37' means 'which class' and '583' means 'caste and class'. What is the code for 'Caste' ?

(A) 3

(B) 7

(C) 8

(D) Either 5 or 8

15. If D = 4 and COVER = 63, then BASIS = ?

(A) 55

(B) 54

(C) 50

(D) 49

16. If in a certain language CALCUTTA is coded as GEPGYXXE, which word would be coded as FSQFCE ?

(A) BOMBYA

(B) BOMYAB

(C) BOMBAY

(D) BOBAMY

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17. Sanjeev ranks seventh from the top and twenty eight from the bottom in a class. How many students are there in the class ?

(A) 37

(B) 36

(C) 35

(D) 34

18. In a row of trees, one tree is fifth from either end of the row. How many trees are there in the row ?

(A) 8

(B) 9

(C) 10

(D) 11

19. Raman ranks sixteenth from the top and forty ninth from the bottom in a class. How many students are there in the class ?

(A) 64

(B) 65

(C) 66

(D) Can not be determined

20. Some boys are sitting in a row. P is sitting fourteenth from the left and Q is seventh from the right. If there are four boys between P and Q, how many boys are there in the row ?

(A) 25

(B) 23

(C) 21

(D) 19

21. A is 3 years older to B and 3 years younger to C, while B and D are twins. How many years older is C and D ?

(A) 3

(B) 6

(C) 9

(D) 12

22. A farmer built a fence around his square plot. He used 27 fence poles on each side of the square. How many poles did he need altogether ?

(A) 54

(B) 84

(C) 104

(D) 108

23. A father is now three times as old as his son. Five years back, he was four times as old as his son. The age of the son (in years) is :

(A) 10

(B) 12

(C) 15

(D) 18

24. A man has Rs. 480 in the denominations of one rupee notes, five rupee notes and ten rupee notes. The number of each denomination is equal. What is the total number of notes that he has ?

(A) 45

(B) 75

(C) 90

(D) 120

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25. A is two years older than B who is twice as old as C. If the total of the ages of A, B and C be 27, then how old is B ?

(A) 7

(B) 8

(C) 9

(D) 10

26. A man is 24 years older than his son. In two years, his age will be twice the age of his son. The present age of his son is :

(A) 14 years

(B) 18 years

(C) 20 years

(D) 22 years

27. At present, the ratio between the ages of Arun and Deepak is 4 : 3. After 6 years, Arun's age will be 26 years. What is the age of Deepak at present ?

(A) 12 years

(B) 15 years

(C) 19 and half

(D) 21 years

28. Numismatist : Coins

(A) Philatelist : Stamps

(B) Jeweller : Jewels

(C) Cartographer : Maps

(D) Geneticist : Chromosomes

29. Peas : Gram : : Pulses :

(A) Rice

(B) Barley

(C) Beans

(D) Coconut

30. 42 : 20 : : 64 : ?

(A) 31

(B) 32

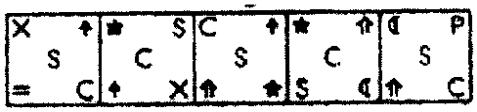
(C) 33

(D) 34

Direction (Q. Nos. 31 – 34) : *Each of the following questions consists of five figures marked A, B, C, D and E called the Problem Figures followed by five other figures marked 1, 2, 3, 4 and 5 called the Answer Figures. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.*

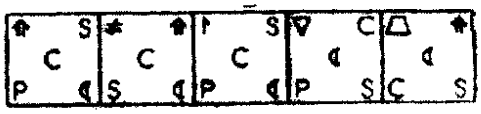
31. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures :

Problem Figures :



(A) (B) (C) (D) (E)

Answer Figures :



(1) (2) (3) (4) (5)

(A) 1

(B) 2

(C) 3

(D) 4

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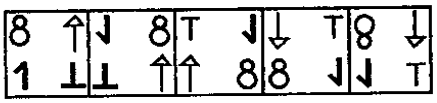
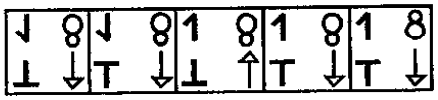
32. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

Problem Figures :



(A) (B) (C) (D) (E)

Answer Figures :



(1) (2) (3) (4) (5)

(A) 1

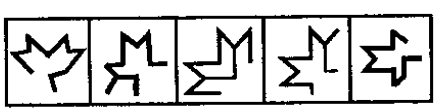
(B) 2

(C) 3

(D) 4

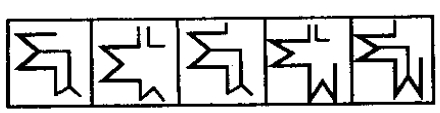
33. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures :

Problem Figures :



(A) (B) (C) (D) (E)

Answer Figures :



(1) (2) (3) (4) (5)

(A) 1

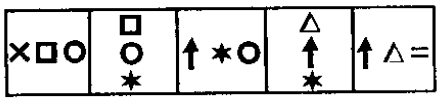
(B) 2

(C) 3

(D) 4

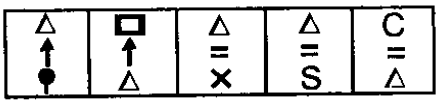
34. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures :

Problem Figures :



(A) (B) (C) (D) (E)

Answer Figures :



(1) (2) (3) (4) (5)

(A) 1

(B) 2

(C) 3

(D) 4

35. Choose the alternative which is closely resembles the mirror image of the given combination :

AN54WMG3

(i) (ii)

(iii) (iv)

(A) 1

(B) 2

(C) 3

(D) 4

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36. Choose the alternative which is closely resembles the mirror image of the given combination :

DL9CG4728

(i) ᗡᒧ9ᑕᘐ4ᗡ28 (ii) 8ᗡ7ᘐᘐ9ᒧᗡ

(iii) 8ᗡ7ᘐᘐ9ᒧᗡ (iv) 8ᗡ7ᘐᘐ9ᒧᗡ

(A) 1

(B) 2

(C) 3

(D) 4

37. Choose the alternative which is closely resembles the mirror image of the given combination :

GEOGRAPHY

(i) YHꟼAЯƆOƎƆ (ii) YHPARGOEG

(iii) ⅄HꟼAЯƆOƎƆ (iv) YHꟼ∀ЯƆOƎƆ

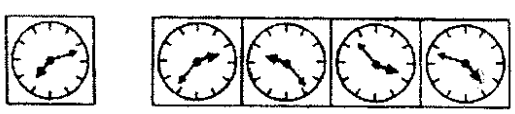
(A) 1

(B) 2

(C) 3

(D) 4

38. Choose the correct mirror image of the given figure (x) from amongst the four alternatives :



(x) (1) (2) (3) (4)

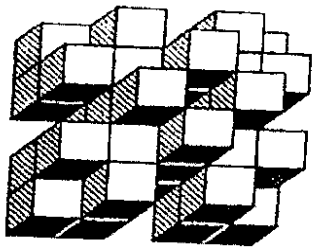
(A) 1

(B) 2

(C) 3

(D) 4

39. Count the number of Cubes in the following figure :



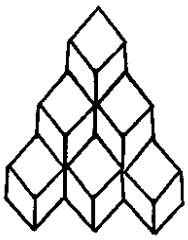
(A) 28

(B) 36

(C) 40

(D) 42

40. Count the number of Cubes in the following figure :



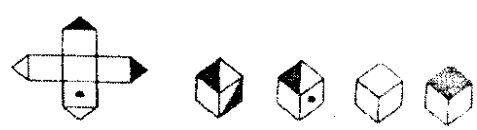
(A) 6

(B) 8

(C) 10

(D) 12

41. Choose the box that is similar to the box formed from the given sheet of paper (x) :



(x) 1 2 3 4

(A) 1 and 2 only

(B) 2 and 4 only

(C) 2 and 3 only

(D) 1 and 4 only

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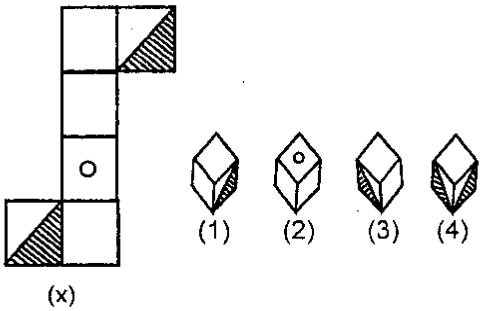
42. Choose the box that is similar to the box formed from the given sheet of paper (x) :



(A) 1 and 3 only

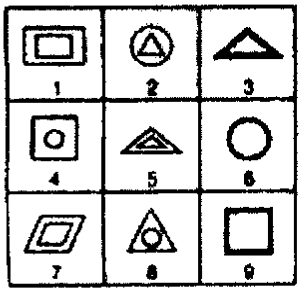
(B) 1 and 4 only

(C) 2 and 4 only

(D) 3 and 4 only

Direction (Q. Nos. 43 – 46) : *In each of the following questions, group the given figures into three classes using each figure only once.*

43.



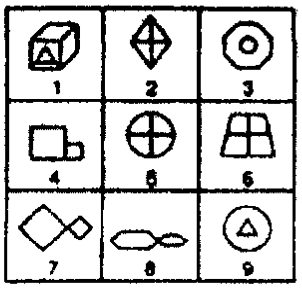
(A) 1, 5, 7 ; 2, 4, 6 ; 3, 9, 8

(B) 1, 5, 7 ; 2, 4, 8 ; 3, 6, 9

(C) 1, 4, 7 ; 2, 5, 8 ; 3, 6, 9

(D) 1, 7, 9 ; 3, 5, 8 ; 2, 4, 6

44.



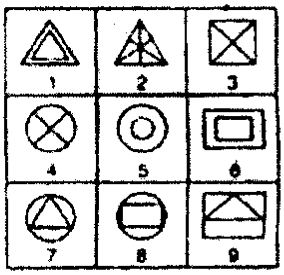
(A) 1, 3, 9 ; 2, 5, 6 ; 4, 7, 8

(B) 1, 3, 9 ; 2, 7, 8 ; 4, 5, 6

(C) 1, 2, 4 ; 3, 5, 7 ; 6, 8, 9

(D) 1, 3, 6 ; 2, 4, 8 ; 5, 7, 9

45.



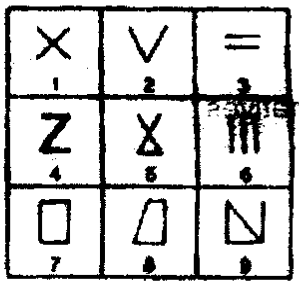
(A) 1, 2, 3 ; 4, 5, 8 ; 6, 7, 9

(B) 1, 5, 6 ; 2, 3, 4 ; 7, 8, 9

(C) 1, 3, 5 ; 2, 4, 8 ; 6, 7, 9

(D) 1, 4, 7 ; 2, 5, 8 ; 3, 6, 9

46.



(A) 1, 2, 3 ; 4, 5, 6 ; 7, 8, 9

(B) 1, 3, 5 ; 2, 4, 6 ; 7, 8, 9

(C) 1, 5, 9 ; 3, 6, 2 ; 4, 7, 8

(D) 1, 9, 7 ; 2, 8, 5 ; 3, 4, 6

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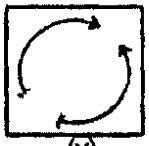
Direction (Q. Nos. 47 – 50) : *In each of the following questions, figure (x) is embedded in any one of the four alternative figures (A), (B), (C) or (D). Find the alternative which contains figure (x) as its part.*

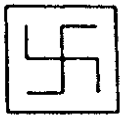
47. 
(x)

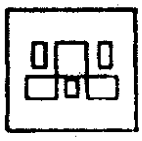
(A)

(B)

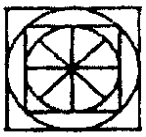
(C)

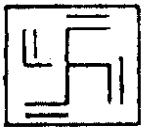
(D)

48. 
(x)

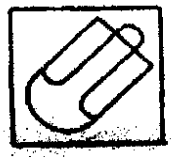
(A) 

(B)

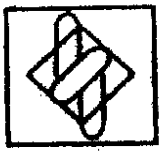
(C) 

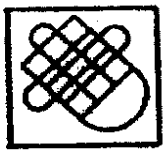
(D) 

49.
(x)

(A) 

(B)

(C) 

(D) 

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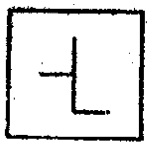
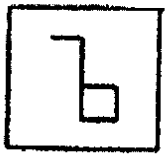
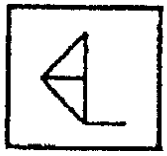
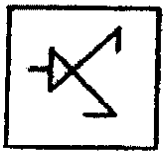
50. 

(x)

(A) 

(C)

(B) 

(D) 

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