

## PART - I : GENERAL INTELLIGENCE

**Directions :** In questions no. 1 to 6, select the related letters/word/number from the given alternatives.

- NMKH : HIKN :: UTRO : ?  
(A) OPQR (B) ORTU  
(C) OPRU (D) ORPQ
- ACEG : KMOQ :: CEGI : ?  
(A) HILN (B) FHJM  
(C) QSUV (D) IKMO
- 5 : 124 :: 8 : ?  
(A) 65 (B) 64  
(C) 512 (D) 511
- 164 : 143 :: 211 : ?  
(A) 180 (B) 190  
(C) 194 (D) 188
- Never : Seldom :: Always : ?  
(A) Often (B) Everytime  
(C) Occasional (D) Usual
- Ape : Man :: Cat : ?  
(A) Mouse (B) Pet-animal  
(C) Monkey (D) Tiger

**Directions :** In questions no. 7 to 10, select the one which is different from the other three responses.

- (A) Teacher (B) Drill Master  
(C) Student (D) Registrar
- (A) DZ (B) AR  
(C) JT (D) SK
- (A) JIG (B) FEB  
(C) TSP (D) NMJ
- (A) Oliver Twist (B) Macbeth  
(C) Othello (D) King Lear

**Directions :** In questions no. 11 and 12, find the number that does not belong to the group.

- 13, 16, 19, 22, 24, 28.  
(A) 24 (B) 28  
(C) 19 (D) 13
- 1, 4, 9, 16, 23, 25, 36.  
(A) 25 (B) 36  
(C) 23 (D) 9

**Directions :** In questions no. 13 and 14, arrange the following words as per order in the dictionary.

1. Ream 2. Riot  
3. Ruin 4. Route  
(A) 1, 2, 4, 3 (B) 1, 2, 3, 4  
(C) 2, 1, 3, 4 (D) 2, 3, 1, 4
1. Appear 2. Appraise  
3. Approval 4. Opposite  
(A) 1, 3, 2, 4 (B) 1, 2, 3, 4  
(C) 1, 4, 3, 2 (D) 1, 4, 2, 3
- Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it ?  
cb\_ eb\_e\_edc\_  
(A) dafd (B) bbcd  
(C) cbec (D) dceb

**Directions :** In questions no. 16 to 18, a series is given, with one term/number missing. Choose the correct alternative from the given ones that will complete the series.

- 4, 7, 11, 18, 29, 47, ?, 123, 199  
(A) 84 (B) 102  
(C) 76 (D) 70
- ABNO, CDPQ, EFRS, ?  
(A) GHTU (B) KLYZ  
(C) IJWV (D) TUVW
- 121, 112, ?, 97, 91, 86  
(A) 99 (B) 104  
(C) 102 (D) 108
- If my mother's maternal uncle is my wife's grandfather, in what way is he related to my grandmother ?  
(A) Husband (B) No direct relation  
(C) Brother (D) Cousin
- Five books are placed on a table. E is on A and C is under B. A is above B and D is under C. Which book is lying at the bottom ?  
(A) C (B) D  
(C) A (D) B
- A man is standing facing the sun during sunset. Where will his shadow fall ?  
(A) To his left (B) To his right  
(C) To his front (D) To his back



**Directions :** In questions no. 22 and 23, from the given alternative words, select the word which cannot be formed using the letters of the given word.

22. MUSICAL  
 (A) LASIUM (B) CLAIM  
 (C) SLIM (D) CALCIUM
23. DAUGHTER  
 (A) AUGHT (B) TRUTH  
 (C) GATHER (D) DEARTH
24. If BRAKE is written as EUDNH, how can BRIDGE be written in that code ?  
 (A) EUDHLD (B) EULGJH  
 (C) EUIGH (D) EUJNQ
25. If A = 1 and CAP = 20, what is HEN = ?  
 (A) 28 (B) 29  
 (C) 26 (D) 27
26. If 'MEMORY' is written as '848729' in a certain code, then how is 'ROME' written in that code ?  
 (A) 4287 (B) 2487  
 (C) 2874 (D) 2784

**Directions :** In questions no. 27 to 29, select the missing number from the given responses.

27. 22 32 42  
 2 2 2  
 20 ? 34  
 (A) 28 (B) 30  
 (C) 23 (D) 22
28. 3 5 7 105  
 4 6 8 192  
 9 2 3 ?  
 (A) 297 (B) 87  
 (C) 54 (D) 14
29. 3 5 9  
 8 6 2  
 6 ? 6  
 4 10 3  
 (A) 5 (B) 2  
 (C) 3 (D) 4

30. A statement is given below, followed by four inferences. Select the appropriate inference.

**Statement :**

- All students are graduates.
- Some students are swimmers.
- All swimmers are drivers.

**Inferences :**

- Some graduates are swimmers.
- All swimmers are graduates.
- All graduates are swimmers.
- All students are drivers.

31. Find out the correct answer for the unsolved equation based on a certain system.

$$6 + 4 + 5 = 465; \quad 7 + 3 + 4 = 374;$$

$$9 + 5 + 2 = ?$$

- 592
- 295
- 925
- 952

32. If  $0 \ 1 \ 2 \ 3 = 9$

$$1 \ 2 \ 3 \ 4 = 15$$

$$2 \ 3 \ 4 \ 5 = 23$$

$$3 \ 4 \ 5 \ 6 = ?$$

- 37
- 36
- 26
- 33

33. If H stands for +, Q stands for -, A stands for  $\times$  and T stands for  $\div$ , then  $14 \ A \ 10 \ H \ 42 \ T \ 2 \ Q \ 8 = ?$

- 153
- 251
- 158
- 216

34. Aman started from his house and travelled 10 km towards East. He then turned left and travelled 5 km and then again turned left and cycled 10 km. How far is he from his home now ?

- 15 km
- 20 km
- 5 km
- 10 km

35. A man starts from a point and cycles one km North. He then turns right and cycles 3 km and again turns right and cycles 5 km. How far and in which direction is he from his starting point ?

- 4 km North
- 5 km North East
- 4 km East
- 5 km South East



36. Select the correct statement from the given responses.

Statement :

Environmental air pollution is a product of modernization due to

- I. lot of vehicles emitting smoke.
  - II. draining of chemical waste into rivers.
  - III. dumping of garbage into waste land.
  - IV drying of animal wastes and fishes on roads.
- (A) III is correct (B) IV is correct  
(C) I is correct (D) II is correct

37. A statement is given with four inferences. Select the correct inference.

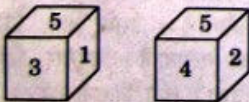
Statement :

Spelling errors are common among children with learning abilities.

Inferences :

- I. Auditory reinforcement should be provided to them.
  - II. Specialised individualised attention should be given.
  - III. Repeat and tell the child to spell the word again and again.
  - IV Tell a sequence and improve speech sound.
- (A) Either II or III is correct  
(B) I and II are correct  
(C) Only I is correct  
(D) III and IV are correct

38. Which number appears on the face opposite to 5 ?



- (A) 4 (B) 1  
(C) 6 (D) 2

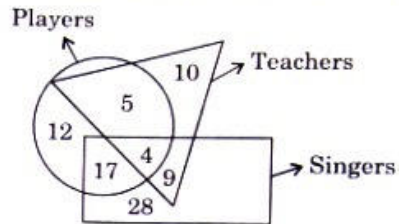
39. Find the figure that represents the group

- (1) Poet (2) Pen (3) Book.



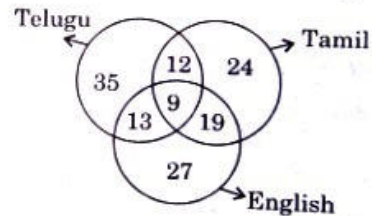
- (A) (B) (C) (D)

40. The diagram represents Players, Teachers and Singers. Study the diagram and find out how many Singers are also Players.



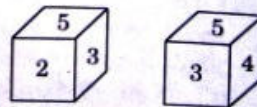
- (A) 21 (B) 9  
(C) 17 (D) 4

41. Find out the number of all those people who can speak English and Telugu.



- (A) 62 (B) 22  
(C) 34 (D) 4

42. Which number appears on the face opposite to 4 ?

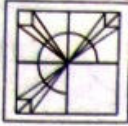


- (A) 2 (B) 6  
(C) 5 (D) 1

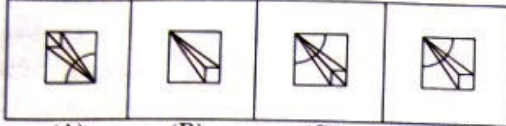


**Directions :** In questions no. 43 and 44, which answer figure will complete the pattern of the question figure ?

43. Question figure :



Answer figures :

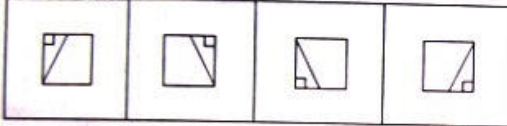


(A) (B) (C) (D)

44. Question figure :



Answer figures :



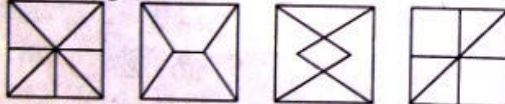
(A) (B) (C) (D)

**Directions :** In questions no. 45 and 46, from the given answer figures, select the one in which the question figure is hidden / embedded.

45. Question figure :



Answer figures :



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

46. Question figure :



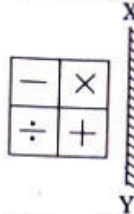
Answer figures :



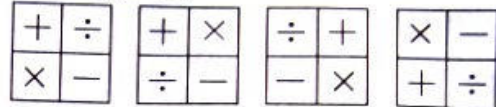
(A) (B) (C) (D)

47. If a mirror is placed on the line XY, then which of the answer figures is the correct image of the given question figure ?

Question figure :



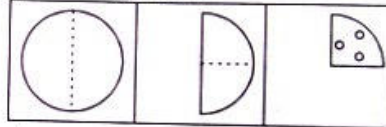
Answer figures :



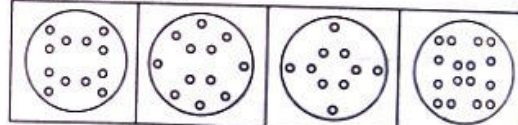
(A) (B) (C) (D)

48. A piece of paper is folded and cut as shown below in the question figures. From the given answer figures, indicate how it will appear when opened.

Question figures :



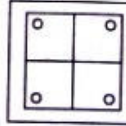
Answer figures :



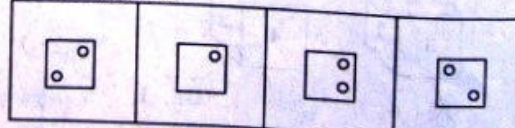
(A) (B) (C) (D)

49. A sheet of paper when folded, punched and opened will appear as in the question figure. Choose from the answer figures which punched hole pattern gives the question figure.

Question figure :



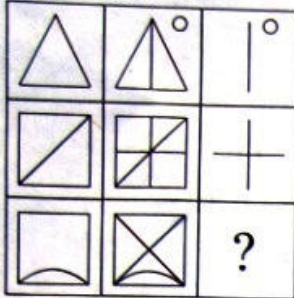
Answer figures :



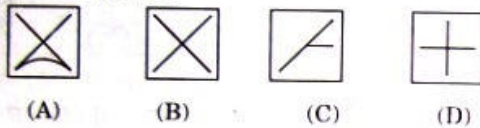
(A) (B) (C) (D)

50. Find out from the given alternatives a suitable figure that would complete the figure matrix.

Question figures :



Answer figures :



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**Directions :** In questions no. 38 and 39, a series is given, with one term/number missing. Choose the correct alternative from the given ones that will complete the series.

38. ABD, EFH, IJL, ?  
 (A) OPQ (B) SPQ  
 (C) UPQ (D) OPR
39. 109, 74, 46, 25, 11, ?  
 (A) 11 (B) 4  
 (C) 3 (D) 36
40. Which one of the given responses would be a meaningful order of the following ?  
 1. Stem                      2. Leaf  
 3. Flower                    4. Branch  
 5. Fruit  
 (A) 1, 4, 3, 5, 2 (B) 1, 4, 3, 2, 5  
 (C) 1, 2, 3, 4, 5 (D) 1, 4, 2, 3, 5
41. Arrange the following words as per order in the dictionary :  
 1. succeed                  2. shuffle  
 3. subtle                    4. subway  
 (A) 2, 3, 4, 1 (B) 2, 1, 3, 4  
 (C) 1, 3, 4, 2 (D) 2, 4, 3, 1

**Directions :** In questions no. 42 to 44, find the odd number/number pair/word from the given alternatives.

42. 6, 11, 16, 17, 21, 26.  
 (A) 21 (B) 26  
 (C) 17 (D) 16
43. (A) 59 - 48 (B) 33 - 27  
 (C) 68 - 85 (D) 121 - 134
44. (A) Butter (B) Curd  
 (C) Cheese (D) Milk
45. Find out the correct answer for the unsolved equation based on a certain system.  
 $2 + 3 + 6 + 7 = 9$ ,  $12 + 13 + 16 + 17 = 99$ ,  
 $102 + 103 + 106 + 107 = ?$   
 (A) 999 (B) 9999  
 (C) 109 (D) 1009

**Directions :** In questions no. 46 to 50, select the related letters/word/number from the given alternatives.

46. Writer : Book :: ? : Song  
 (A) Singer (B) Sound engineer  
 (C) Musician (D) Composer
47. 14 : 9 :: 26 : ?  
 (A) 31 (B) 15  
 (C) 12 (D) 13
48. DOG : z :: CAT : ?  
 (A) x (B) y  
 (C) v (D) w
49. KLMN : PONM :: HIJK : ?  
 (A) UVWX (B) SRQP  
 (C) DEFG (D) OPQR
50. Smile : Laugh :: ? : Shout  
 (A) Scream (B) Hoot  
 (C) Talk (D) Whisper