

PART I : GENERAL INTELLIGENCE

Directions : In questions no. 1 to 7, select the related word/letters/number from the given alternatives.

- BADC : XWZY :: QPSR : ?
(A) LMON (B) NMPO
(C) TUVW (D) GHIJ
- 64 : 81 :: 8 : ?
(A) 9 (B) 6
(C) 7 (D) 8
- 175 : 13 :: 108 : ?
(A) 8 (B) 9
(C) 6 (D) 7
- Flower : Petal :: Book : ?
(A) Author (B) Library
(C) Page (D) Contents
- Doctor : Hospital :: ?
(A) Water : Reservoir
(B) Farmer : Village
(C) Plumber : Wrench
(D) Chef : Kitchen
- Patient : Hospital :: Car : ?
(A) Garage (B) Office
(C) Hangar (D) House
- COMPREHENSION : NOISNEHERPMOC ::
BEAUTY : ?
(A) YTUAEB (B) UTYBEA
(C) EAUTYB (D) AUTYBE

Directions : In questions no. 8 to 11, find the odd words/letters/number pair from the given alternatives.

- (A) Simplicity (B) Vanity
(C) Humility (D) Modesty
- (A) GGHK (B) KKLO
(C) AABE (D) MMNO
- (A) 19 - 61 (B) 24 - 76
(C) 12 - 39 (D) 16 - 52
- (A) Industry : Chairman-cum-Managing Director
(B) Newspaper : Reporter
(C) University : Vice-Chancellor
(D) College : Principal

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SPACE FOR

- Find out the set among the four sets which is like the given set.
Given set is (63, 54, 45)
(A) (28, 17, 8) (B) (36, 45, 33)
(C) (29, 20, 11) (D) (30, 21, 11)

- Which one of the given responses would be a meaningful order of the following ?

- Rain
 - Sunlight
 - Vapour
 - Cloud
- (A) 3, 2, 4, 1 (B) 2, 3, 4, 1
(C) 4, 1, 2, 3 (D) 2, 3, 1, 4

- Arrange the following words as per order in the English dictionary :

- Activity
 - Attention
 - Arise
 - Absent
- (A) 2, 3, 4, 1 (B) 3, 2, 1, 4
(C) 4, 1, 3, 2 (D) 4, 3, 2, 1

- Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it ?

ba~~h~~ababab~~b~~ab~~b~~ababa

- (A) baab (B) bbaa
(C) abab (D) aabb

- In the following letter series, how many P Q S occur in such a way, Q is in the middle and P and S are on any one side ?

MDRPQGKQPQSLAPQS
TGKPPQGMGDPQSTU

- (A) 4 (B) 1
(C) 2 (D) 3

Directions : In questions no. 17 to 19, a series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

- 10, 18, 28, 40, 54, 70, ?
(A) 87 (B) 88
(C) 85 (D) 86

- 0, 6, 20, 42, ?
(A) 72 (B) 76
(C) 82 (D) 81

- ZIP, WIP, TIP, ?
(A) QIP (B) SIP
(C) PIP (D) RIP

20. 'X' and 'Y' are brothers. 'B' is the daughter of 'A'. 'A' is the wife of 'Y'. What is the relation of 'B' to 'X'?

(A) Sister-in-law (B) Niece
(C) Daughter (D) Sister

21. If W = 23, STRONG = 93, then WEAK = ?

(A) 40 (B) 41
(C) 38 (D) 44

22. If INTERNET is written as 14325423 and DISTANCE is written as 61738492, then what will CENTRE be written as ?

(A) 852431 (B) 291534
(C) 124576 (D) 924352

23. If the day before yesterday was Sunday, when will Thursday be ?

(A) Day after tomorrow
(B) Two days after tomorrow
(C) Today
(D) Tomorrow

24. Mohan is older than Prabir. Suresh is younger than Prabir. Mihir is older than Suresh, but younger than Prabir. Who among the four is the youngest ?

(A) Mohan (B) Suresh
(C) Prabir (D) Mihir

25. 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) 20 years (B) 18 years
(C) 14 years (D) 22 years

26. If the seventh person from the front in a queue is the tenth person from behind, how many are there in the queue ?

(A) 14 (B) 10
(C) 17 (D) 16

27. From the given alternatives select the word which **cannot** be formed using the letters of the given word.

APPEARANCE

(A) PEAS (B) REAP
(C) PANE (D) NEAR

28. If CIGARETTE is coded as GICERAETT, then DIRECTION will be coded as

(A) RIDTCEION (B) IRDCTONE
(C) RIDTCENOI (D) NORTECDII

29. Some capital letters are given below in the first line and numbers are assigned to each of them in the second line. The numbers are the codes for the letters and vice-versa.

M O E A S J T Z
3 5 7 6 2 9 4 0

Choose the correct number code for the given set of letters.

JEZTMS

(A) 970534 (B) 970432
(C) 970435 (D) 970345

30. From the given alternatives select the word which can be formed using the letters given in the word.

PRONUNCIATION

(A) PUNCTUATION
(B) RATION
(C) NATURAL
(D) PRINTING

Directions : In questions no. 31 and 32, select the missing number from the given responses.

31. 15 11 20
2 3 1
5 6 7
35 39 ?

(A) 27 (B) 24
(C) 30 (D) 35

32. 3 15 5
5 35 7
9 ? 5

(A) 45 (B) 25
(C) 42 (D) 35

Directions : In questions no. 33 and 34, some equations are solved on the basis of a certain system. On the same basis, find out the correct answer for the unsolved equation.

33. If $882 = 20$
and $996 = 26$, then
 $729 = ?$

- (A) 20 (B) 21
(C) 24 (D) 30

34. If $8^3 - 3 + 4 = 348$, $9^3 - 6 + 8 = 689$, then
 $5^3 - 9 + 6 = ?$

- (A) 596 (B) 956
(C) 659 (D) 965

35. Medha moves towards South-East for 7 km, then moves towards West for 14 km. Then she moves towards North-West for 7 km and finally moves a distance of 4 km East and stands there. How far is the starting point from where she stands now ?

- (A) 7 km (B) 10 km
(C) 3 km (D) 4 km

36. Select the correct combination of mathematical signs to replace '*' signs and to balance the given equation.

$$8 * 6 * 7 * 3 = 18$$

- (A) $- + + =$ (B) $+ - + =$
(C) $+ - + =$ (D) $+ + - =$

37. If ' \div ' means ' $-$ ', ' $-$ ' means ' \times ', ' \times ' means ' $+$ ' and ' $+$ ' means ' \div ', then

$$20 \div 60 \div 40 \times 20 + 10 = ?$$

- (A) 60 (B) 80
(C) 0 (D) 40

38. Aman starts walking from his college, walks 10 km towards North, then he turns to his left and walks 10 km. From there he takes a right turn and walks 10 km. In which direction is he facing now ?

- (A) East (B) West
(C) South (D) North

39. Which of the conclusions can be drawn from the given statement ?

Statement :

Many creative persons become artists.

- (A) A high level of creativity is needed to become an artist.
(B) Some artists are creative persons.
(C) A creative person will certainly become an artist.
(D) It is not possible to become an artist without creativity.

40. Manisha is sitting in between Kamini and Suvarna. Smita is right to Suvarna. Kamini is left to Manisha. Select the correct seating order.

- (A) Kamini, Manisha, Smita, Suvarna
(B) Kamini, Manisha, Suvarna, Smita
(C) Kamini, Suvarna, Smita, Manisha
(D) Manisha, Suvarna, Smita, Kamini

41. Two statements are given followed by two conclusions I and II. You have to consider the statements to be true, even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements. Indicate your answer.

Statements :

- Teachers are role models of the students.
- Teachers are responsible for developing scientific attitude in their students.

Conclusions :

- Students do not have scientific attitude.
- By and large teachers can influence scientific attitude of the students.

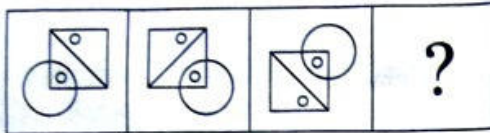
- (A) Both conclusions I and II follow
(B) Neither conclusion I nor II follows
(C) Only conclusion I follows
(D) Only conclusion II follows

42. The population of a city doubles every 6 years. If in 2005, the population is 10,562, by which year will the population increase to 42,248 ?

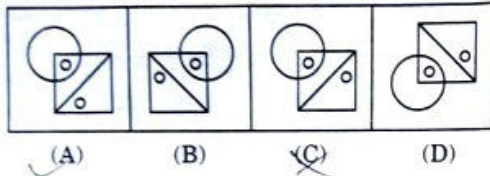
- (A) 2017 (B) 2029
(C) 2011 (D) 2023

43. Choose the correct alternative from the given ones that will complete the series.

Question figures :

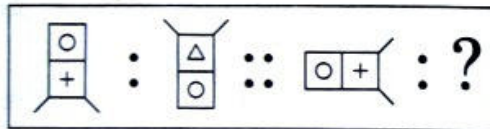


Answer figures :

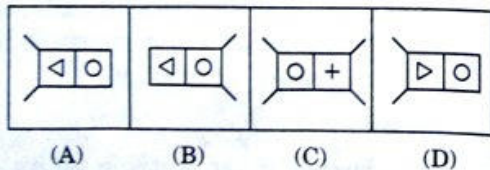


44. Select the related figure from the given alternatives.

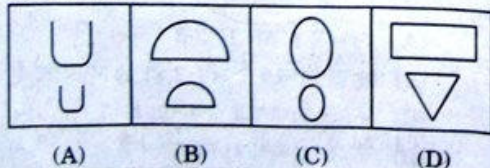
Question figures :



Answer figures :

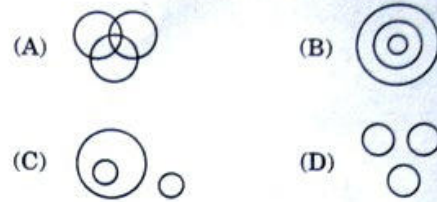


45. Select the figure which is different from the rest three.



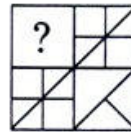
46. Identify the diagram that best represents the relationship among the classes given below :

Sparrow, Bird, Cat

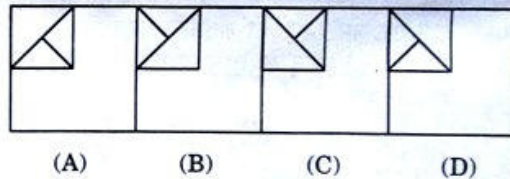


47. Which answer figure will complete the pattern in the question figure ?

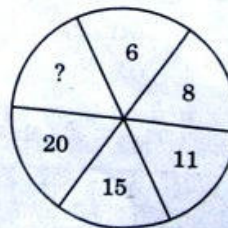
Question figure :



Answer figures :



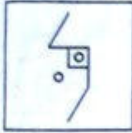
48. Select the missing number from the given responses.



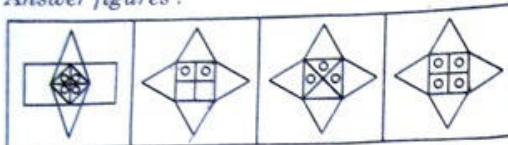
- (A) 28 (B) 30
(C) 24 (D) 26

19. From the given answer figures, select the one in which the question figure is hidden/embedded.

Question figure :



Answer figures :



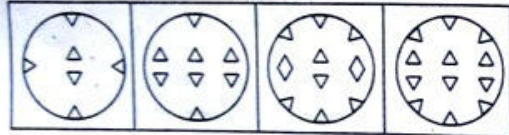
(A) (B) (C) (D)

20. A piece of paper is folded and cut/punched 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)

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3. In a row of trees, one tree is the fifth from either end of the row. How many trees are there in the row ?
 (A) 10 (B) 9
 (C) 11 (D) 8
4. If 'a' is greater than 'b' by 2 and 'b' is greater than 'c' by 10, and $a + b + c = 130$, then $(b + c) - a = ?$
 (A) 38 (B) 44
 (C) 34 (D) 42

45. How many 7's are there in the following number series which are preceded by an even number but **not** followed by any odd number ?

43752372136754

2742712276572

- (A) 3 (B) 4
 (C) 1 (D) 2

46. In a board exam, 40% students fail in Maths, 30% in Science and 15% in both. Find the passing percentage.

- (A) 35% (B) 50%
 (C) 45% (D) 65%

47. Find the wrong number in the given number series.

852, 213, 53, 13, 3

- (A) 53 (B) 213
 (C) 852 (D) 13

48. If rain is called water, water is called air, air is called cloud, cloud is called sky, sky is called sea, sea is called road, where do the aeroplanes fly ?

- (A) Sea (B) Cloud
 (C) Water (D) Road

49. If 'P' denotes '+', Q denotes '-', 'R' denotes '÷' and 'S' denotes '×', then what is the value of the following equation ?

18 S 36 R 12 Q 6 P 7 = ?

- (A) 648 (B) 25
 (C) 115 (D) 55

50. A, B, C, D and E share some mangoes among themselves so that A gets one less than B, C gets 4 more than D, E gets 3 more than B, and D gets as many as B. Who gets the least number of mangoes ?

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

