

PART I : GENERAL INTELLIGENCE

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

1. MOQS : ACEG :: PRTV : ?
 (A) KMNP (B) OQSU
 ✓ (C) EGLJ (D) FHJM
2. 36 : 144 :: 49 : ?
 (A) 196 (B) 154
 (C) 81 (D) 149
3. 75 : 42 :: 66 : ?
 (A) 36 (B) 63
 (C) 12 (D) 35
4. Picture : See :: Book : ?
 (A) Listen (B) Library
 (C) Buy (D) Read
5. Dark : Light :: ?
 (A) Ill : Diseased
 (B) Hot : Cold
 (C) Polluted : Contaminated
 (D) Accrued : Accumulated
6. Swimming : River :: Hiking : ?
 (A) Mountain (B) Sea
 (C) Road (D) Pond
7. HOPEFUL : LUFEPQH :: ETHNICITY : ?
 (A) ICINHTEYT (B) CINHTEYTI
 (C) YTICINHTE (D) TICINHTEY

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

8. (A) Poet (B) Publisher
 (C) Author (D) Novelist
9. (A) KHEB (B) WTQN
 (C) MKHE (D) MIDA
10. (A) 41, 52 (B) 64, 73
 (C) 46, 57 (D) 38, 49
11. (A) Hexagon : Angle
 (B) Square : Line
 (C) Circle : Arc
 (D) Line : Dot

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

1. Pant 2. Fruit
 3. Seed 4. Flower
 (A) 3, 1, 4, 2 (B) 3, 2, 1, 4
 (C) 3, 2, 4, 1 (D) 3, 1, 2, 4

13. Arrange the following words according to English Dictionary :

1. Bound 2. Bonus
 3. Bunch 4. Board
 (A) 4, 2, 1, 3 (B) 4, 3, 2, 1
 (C) 1, 4, 2, 3 (D) 2, 4, 3, 1

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

a¹ a² b¹ a² b¹ a² b¹ a² b¹

- (A) a¹ b¹ a² b¹ (B) b¹ b¹ a² b¹
 (C) a¹ a² a² b¹ (D) b¹ a² a² b¹

15. In the following letter series, how many times does 'P' occur in such a way that after 'P', N O should occur ?

APNQP NOSPTCZPN OYMPNO

- (A) 2 (B) 5
 (C) 4 (D) 3

16. Find out the set among the four sets which is like the given set.

(23 : 30 : 37)

- (A) (21 : 28 : 34) (B) (12 : 19 : 25)
 (C) (6 : 13 : 20) (D) (7 : 15 : 22)

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.

17. YVP, WTN, URL, ?
 (A) SPJ (B) TQL
 (C) VSP (D) SRJ

18. 2, 8, 18, 32, 50, ?
 (A) 70 (B) 68
 (C) 64 (D) 72
19. 1, 3, 7, 15, 31, ?
 (A) 73 (B) 63
 (C) 37 (D) 36
20. C is the mother of A and B. If D is the husband of B, what is C to D?
 (A) Mother-in-law (B) Sister
 (C) Mother (D) Aunt
21. If A = 1, ACE = 9, then ART = ?
 (A) 29 (B) 38
 (C) 10 (D) 39
22. If PARK is coded as 5394, SHIRT is coded as 17698 and PANDIT is coded as 532068, how would you code NISHAR in that code language?
 (A) 201739 (B) 26739
 (C) 266734 (D) 231954
23. If the 5th date of a month is Tuesday, what date will be 3 days after the 3rd Friday in the month?
 (A) 17 (B) 22
 (C) 19 (D) 18
24. Seema's younger brother Sohan is older than Seeta. Sweta is younger than Deepti but elder than Seema. Who is the eldest?
 (A) Seeta (B) Deepti
 (C) Seema (D) Sweta
25. Rahim and his uncle differ in their ages by 30 years. After 7 years, if the sum of their ages is 66, what will be the age of the uncle?
 (A) 39 (B) 41
 (C) 51 (D) 45
26. Sohan ranks seventh from the top and twenty-sixth from the bottom in a class. How many students are there in the class?
 (A) 33 (B) 34
 (C) 31 (D) 32

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

SIGNATURE

- (A) SIGHT (B) GAIN
 (C) NATURE (D) GATE
28. If 'SYNDICATE' is written as 'SYTENDCAI', then how can 'PSYCHOTIC' be written?
 (A) PSICYOOTH (B) PSICYCOTH
 (C) PSYICTCOH (D) PSYCOHTCI

29. Some letters are given below in the first line and numbers are given below them in the second line. Numbers are the codes for the alphabets and vice-versa. Choose the correct letter-code for the given set of numbers.

E M K B Z W Q U D J
 5 9 1 6 4 8 2 0 7 3

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- (A) ZQMDEJ (B) ZQEDMJ
 (C) ZQMJDE (D) ZQMEDJ
30. From the given alternatives select the word which can be formed using the letters of the given word.

DICTIONARY

- (A) BINARY (B) DAIRY
 (C) NATION (D) ADDITION

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

31. 5 25 5
 7 49 7
 6 ? 6

- (A) 38 (B) 40
 (C) 36 (D) 35

32. 96 100 132
 6 4 6
 5 7 3
 21 32 ?

- (A) 32 (B) 20
 (C) 25 (D) 30

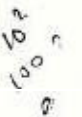
Handwritten notes and scribbles, including a vertical line with a horizontal tick at the top and some illegible text.

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 $782 = 20$
and $671 = 17$, then
 $884 = ?$
- (A) 26 (B) 23
(C) 32 (D) 19
34. $5 \times 6 \times 4 = 456$, $3 \times 6 \times 5 = 536$,
 $4 \times 8 \times 7 = ?$
- (A) 847 (B) 784
(C) 748 (D) 478

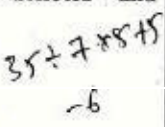


35. A cyclist goes 30 km to North and then turning East he goes 40 km. Again he turns to his right and goes 20 km. After this he turns to his right and goes 40 km. How far is he from his starting point?
- (A) 25 km (B) 40 km
(C) 6 km (D) 10 km



36. Select the correct combination of mathematical signs to replace '*' signs and to balance the given equation.
- $$9 * 7 * 2 * 3 * 10$$
- (A) $+ - \times =$ (B) $- + \times =$
(C) $\div \times + =$ (D) $- + \div =$

37. If '+' denotes \div , '-' denotes \times , ' \times ' denotes '-' and ' \div ' denotes '+', then
- $$35 + 7 - 5 \div 5 \times 6 = ?$$
- (A) 20 (B) 14
(C) 36 (D) 24



38. One morning at 7 o'clock, Naresh started walking with his back towards the Sun. Then he turned towards left, walked straight and then turned towards right and walked straight. Then he again turned towards left. Now in which direction is he facing?
- (A) West (B) South
(C) North (D) East

Directions : In questions no. 39 and 40, 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.

39. **Statements :**
- Education is a process of lighting.
 - Mind requires light to enlighten the core of cognitive aspect.

- Conclusions :**
- Education is a light which removes the darkness of mind.
 - Education is a static process for mind.
- (A) Both conclusions I and II follow
(B) Neither conclusion I nor II follows
(C) Only conclusion I follows
(D) Only conclusion II follows

40. **Statements :**
- All students in my class are intelligent.
 - Sunil is not intelligent.

- Conclusions :**
- Sunil is not a student of my class.
 - Sunil must work hard.
- (A) Both conclusions I and II follow
(B) Neither conclusion I nor II follows
(C) Only conclusion I follows
(D) Only conclusion II follows

41. 3 daily wage workers A, B and C are distributed ₹ 178 in such a way that A gets ₹ 4 less than C, B gets ₹ 15 more than A and C gets ₹ 11 less than B. What is the ratio of their shares?
- (A) 53 : 68 : 57 (B) 57 : 53 : 68
(C) 50 : 51 : 52 (D) 53 : 56 : 68

C = B - X

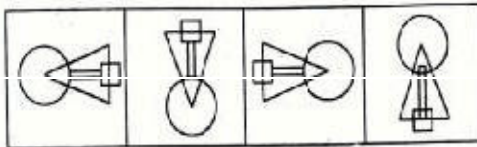
C = 1
A = 2 - 4
B = (1 - 4) + 15

A B E D C
| | | | |

42. Five boys A, B, C, D and E are standing in a row. D is on the right of E. E is on the left of E, but on the right of A. D is on the left of C, who is standing on the extreme right. Who is standing in the middle?

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

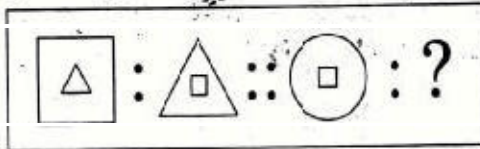
43. Which figure is different from the rest of the three?



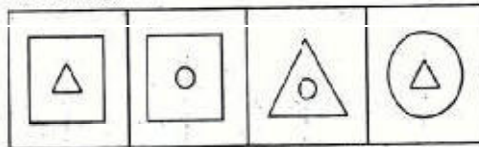
- (A)
- (B)
- (C)
- (D)

44. Select the related figure from the given alternatives.

Question figures :



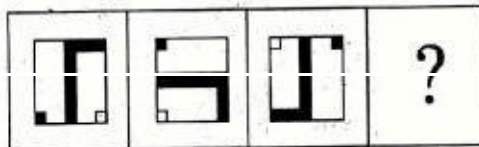
Answer figures :



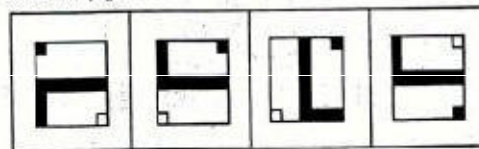
- (A)
- (B)
- (C)
- (D)

45. Select the correct alternative from the given ones which will complete the figural series.

Question figures :



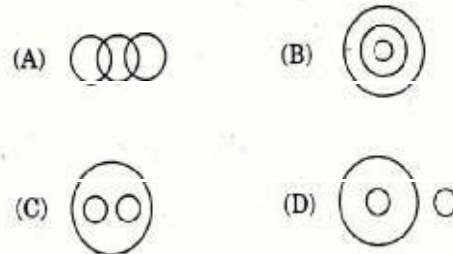
Answer figures :



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

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

Liquids, Milk, River water

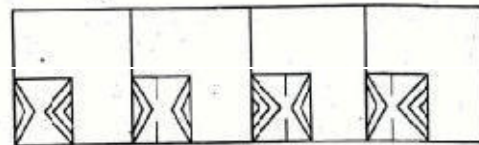


47. Which answer figure will complete the pattern in the question figure?

Question figure :



Answer figures :



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

48. Select the missing number from the given responses :

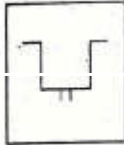


Handwritten calculations: 110 + 12 = 122, 122 + 26 = 148, 148 + 54 = 202, 202 + 5 = 207.

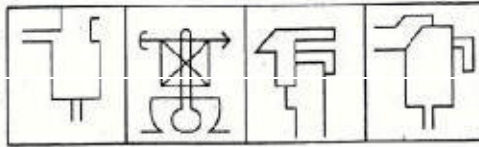
- (A) 132
- (B) 122
- (C) 222
- (D) 212

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

Question figure :



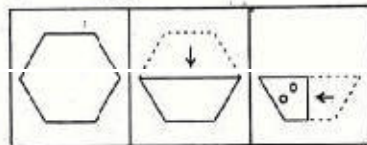
Answer figures :



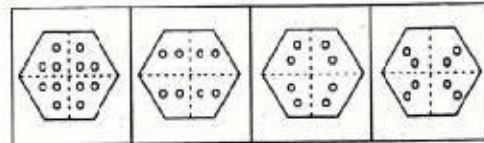
(A) (B) (C) (D)

50. 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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43. Rita ranks 19th in a class of 40 students. What is her rank from the last ?
 (A) 21 (B) 22
 (C) 19 (D) 20
44. $\frac{1}{4}$ th of $\frac{3}{4}$ th of a number is 363. What is the square root of that number ?
 (A) 44 (B) 40
 (C) 88 (D) 80

45. How many even numbers are there in the following sequence of numbers, each of which is followed by an odd number as well as preceded by an even number ?

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

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

46. A man was going to the market with his three brothers, each one of them carrying one child in their arms. How many were going to the market ?

(A) 7 (B) 10
 (C) 6 (D) 13

47. Find the wrong number in the given series.

8, 17, 36, 75, 154, 308

(A) 75 (B) 308
 (C) 36 (D) 17

48. In a wooden box there are 'n' number of socks of two different colours. You cannot see outside, but can put your hand and take out any number of socks one by one. What is the minimum number of socks one should take out to get one perfect pair of socks ?

(A) 11 (B) 101
 (C) 2 (D) 3

49. If A stands for +, Q stands for -, V stands for \times and R stands for \div , then what is the value of the given equation ?

16 A 8 R 2 Q 3 V 5 = ?

(A) 5 (B) 6
 (C) 17 (D) 25

50. Leela and Geeta had to pick up 1460 tiles from a ground. Leela picked up 30 tiles more than Geeta. How many tiles did Geeta pick up ?

(A) 730 (B) 760
 (C) 745 (D) 715