

**Test: Percentage**

1. Two students appeared at an examination. One of them secured 9 marks more than the other and his marks was 56% of the sum of their marks. What are the marks obtained by them?  

A. 42, 33	B. 42, 36
C. 44, 33	D. 44, 36
2. If 20% of  $a = b$ , then  $b\%$  of 20 is the same as:  

A. None of these	B. 10% of $a$
C. 4% of $a$	D. 20% of $a$
3. Two numbers A and B are such that the sum of 5% of A and 4% of B is two-third of the sum of 6% of A and 8% of B. Find the ratio of A : B.  

A. 2 : 1	B. 1 : 2
C. 1 : 1	D. 4 : 3
4. Two employees X and Y are paid a total of Rs. 550 per week by their employer. If X is paid 120 percent of the sum paid to Y, how much is Y paid per week?  

A. Rs 150	B. 130
C. Rs. 250	D. Rs. 200
5. If number  $xx$  is 10% less than another number  $yy$  and  $yy$  is 10% more than 125, then find out the value of  $xx$ .  

A. 123	B. 122
C. 122.25	D. 123.75
6.  $\frac{1}{3}\%$  of 240  

A. 72	B. 16
C. 80	D. None
7.  $\frac{1}{9}\%$  of 900  

A. 100	B. 20	C. 81	D. None
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8. What percent is 70 of 280?

- A. 25%                      B. 50%                      C. 75%                      D. None

9. A number increased by 20% gives 480. The number is

- A. 380                      B. 420                      C. 400                      D. 300

10. A' salary is 30% less than B' salary but 25% more than C's salary. If A's salary is Rs.90 less than B's salary, find the salary of C.

- A. 300                      B. 125                      C. 168                      D. 320

**Test:- Series**

11. Which number would replace the question mark in series  
7, 12, 19, ?, 39

- a) 24    b) 28    c) 31    d) 33

12. Which number would replace the question mark in series  
5, 9, 17, 29, 45, ?

- a) 50    b) 60    c) 65    d) 70

13. 2, 10, 40, 120, \_\_\_\_\_

- a) 240    b) 360    c) 470    d) 210

14. Look at this series: 7, 10, 8, 11, 9, 12,  
What number should come next?

- a) 7    b) 19    c) 15    d) 18

15. 64, 32, 16, 8, 4, \_\_\_\_\_

- a) 4    b) 6    c) 2    d) 1

16. Find the wrong number in the given series?  
2, 5, 13, 23, 27, 41, 37, 67,

- a) 23    b) 41    c) 37    d) 27

17. Look at this series: 3, 4, 7, 8, 11, 12,....  
What number should come next ?

- a) 7    b) 10    c) 15    d) 20

18. 18, 10, 6, 4, \_\_\_\_\_.

- a) 2    b) 3    c) 5    d) 7

19. ELFA, GLHA, ILJA, \_\_\_\_\_, MLNA

- a) OLPA                      b) KLMA                      c) LLMA                      d) KLLA

20. FAG, GAF, HAI, IAH, \_\_\_\_\_

- a) JAK    b) HAL    c) HAK    d) JAI

**Test: Choose or find odd number:**

21. 43, 53, 63, 73, 83  
a) 43                      b) 53                      c) 63                      d) 73
22. 51, 64, 78, 91, 104, 117.  
(a) 51                      (b) 78                      (c) 104                      (d) 130
23. 147, 125, 103, 81, 58, 36, 14.  
(a) 147                      (b) 103                      (c) 58                      (d) 14
24. 5, 15, 45, 137, 411, 1233.  
(a) 137                      (b) 1233                      (c) 5                      (d) None of these.
25. 17, 21, 26, 30, 34, 38, 42.  
(a) 21                      (b) 26                      (c) 30                      (d) None of these.
26. Which is the odd one out?  
(a)  $10 + 9$                       (b)  $19 - 0$                       (c)  $95 \div 5$                       (d)  $19 \times 0$
27. Which is the odd one out?  
(a)  $55 - 44$                       (b)  $121 \div 11$                       (c)  $11 + 1$                       (d)  $11 \times 1$
28. Which is the odd one out?  
(a)  $1 + 5$                       (b)  $18 - 12$                       (c)  $3 \times 2$                       (d)  $6 \div 3$
29. 15, 25, 30, 34, 40, 50, 65, 75.  
(a) 15                      (b) 34                      (c) 50                      (d) 75
30. 4, 9, 25, 35, 36, 64.  
(a) 9                      (b) 35                      (c) 36                      (d) None of these

**Test: Coding and Decoding**

31. If TAP is coded as SZO, then how is FREEZE coded ?  
a) ATSSST                      b) EQDDYD                      c) ESDDYD                      d) EQDDZD
32. In a certain code, SIKKIM is written as THLJLJ, how is TRAINING written in that code?  
a) SQBHOHOF                      b) UQBHOIOF                      c) UQBHOHOI                      d) UQBHOHOF
33. In a certain code, MENTION is written as LNEITNO. How is PATTERN written in that code ?  
a) ATAETNR                      b) OTAETNR                      c) OTAESNR                      d) STAETNR
34. In a certain code, TOGETHER is written as RQEGRJCT. In the same code, PAROLE will be written as,  
a) RYPQJG                      b) RCPQJG                      c) NCPQJG                      d) NCPQJC
35. If COOL is coded as DQRP, then write the code for HOT  
a) JQW                      b) IQW                      c) IQX                      d) IPW
36. If in a certain language, COUNSEL is coded as BITIRAK, how is GUIDANCE written in that code ?  
a) EOHYZJBB                      b) FOIYZJBB                      c) FOHYZJBB                      d) None of above
37. If FRIEND is coded as HUMJTK, how is CANDLE written in that code ?  
a) EDRIRL                      b) DCQHQK                      c) DEQJQM                      d) FYOBOC



A.) North

B.) East

C.) South-East

D.) North-West

46. A man walks 1 km towards East and then he turns to South and walks 5 km. Again he turns to East and walks 2 km, after this he turns to North and walks 9 km. Now, how far is he from his starting point?

A.) 10 km

B.) 9 km

C.) 5 km

D.) 4 km

47. I am facing South. I turn right and walk 20 m. Then I turn right again and walk 10 m. Then I turn left and walk 10 m and then turning right walk 20 m. Then, I turn right again and walk 60 m. In which direction am I from the starting point?

A.) North-East

B.) North-West

C.) North

D.) West

48. A villager went to meet his uncle in another village situated 5 km away in the North-East direction of his own village. From there he came to meet his father-in-law living in a village situated 4 km in the south of his uncle's village. How far away and in what direction is he now?

A.) 4 km in the East

B.) 3 km in the East

C.) 4 km in the west

D.) 3 km in the North

49. Dhanumjay walks 10 m towards the South. Turning to the left, he walks 20 m and then moves to his right. After moving a distance of 20 m, he turns to the right and walks 20 m. Finally, he turns to the right and moves a distance of 10 m. How far and in which direction is he from the starting point?

A.) 20 m North

B.) 20 m South

C.) 10 m North

D.) 10 m South

50. Arjun walked 30 m towards East, took a right turn and walked 40 m. Then he took a left turn and walked 30 m. In which direction is he now from the starting point?

A.) South-East

B.) South

C.) North-East

D.) East

**Test: Blood Relations**

51. Pointing towards Vaman, Madhav said "I am the only son of his father's one of the sons."

How Vaman is related to Madhav?

A.) Nephew

B.) Uncle

C.) Either father or uncle

D.) Father

52. Pointing to a photograph, Vipul said, "She is the daughter of my grandfather's only son."

How is Vipul related to the girl in the photograph ?

A.) Father

B.) Brother

C.) Uncle

D.) Cousin

53. Looking at a portrait of a man, Harsh said, "His mother is the wife of my father's son. Brothers and sisters I have none." At whose portrait was Harsh looking ?

A.) His son

B.) His nephew

C.) His uncle

D.) His cousin

54. Pointing to a girl in the photograph, Amar said, "Her mother's brother is the only son of my mother's father." How is the girl's mother related to Amar ?

A.) Mother

B.) Sister

C.) Aunt

D.) Grandmother

55. A girl introduced a boy as the son of the daughter of the father of her uncle. The boy is girl's

A.) Brother

B.) Son

C.) Uncle

D.) Son-in-law

56. If X is the brother of the son of Y's son, how is X related to Y ?

A.) Son

B.) Brother

C.) Grandson

D.) Cousin

57. Pointing to a woman in a photograph a man says "She is the daughter-in-law of the mother of my father's only grand son". How is the woman related to the man?

A.) Wife

B.) mother

C.) daughter-in-law

D.) daughter

58. Pointing to a man in a photograph a woman said, "His brother's father is the woman related to the man in the photograph?"

A.) Mother

B.) Aunt

C.) Sister

D.) Daughter

59. Pointing to a photograph, a woman says, "This man's son's sister is my mother-in-law."

How is the woman's husband related to the man in the photograph ?

A.) Grandson

B.) Son

C.) Nephew

D.) Son-in-law

60. When Anuj saw Manish, he recalled, "He is the son of the father of my daughter." Who is Manish ?

A.) Brother-in-law

B.) Brother

C.) Cousin

D.) Uncle

### Test: Sitting Arrangements

**Directions (Q. 61- 63) Study the following information carefully to answer these questions.**

- A. There are five friends.
- B. They are standing in a row facing south.
- C. Jayesh is to the immediate right to Alok.
- D. Pramod is between Bhagat and Subodh .
- E. Subodh is between Jayesh and Pramod.

61. Who is at the extreme left end ?

- a) Jayesh                      b)Subodh                      c)Alok                      d)Bhagat

62. Who is in the Middle ?

- a) Bhagat                      b) Subodh                      c)Jayesh                      d)Pramod

63. To find the answers to the above questions, which of the given statements can be dispensed with ?

- a) None                      b) A only                      c)B only                      d) C only

**Directions (Q. 64- 68) Study the following information carefully to answer these questions.**

A, B, C, D, E, F and G are sitting on a wall and all of them are facing east.

II. C is on the immediate right of D.

III. B is at an extreme end and has E as his neighbour.

IV. G is between E and F.

V. D is sitting third from the south end.

64. Who is sitting to the Right of E ?

- a) A                      b) C                      c) D                      d)G

65. Which of the following pairs of people are sitting at the extreme ends ?

- a) AE                      b) AB                      c) CB                      d) FB

66. Name the person who should change places with C such that he gets the third place from the north end.

- a) G                      b)F                      c)D                      d)A

67. Immediately between which of the following pairs of people D is sitting ?

- a) AC                      b) AF                      c)CF                      d)CE

68. Which of the conditions given above are not required to find out the place in which A is sitting ?

- a) I                      b)II                      c)IV                      d)All required

**Directions (Q. 69- 70) Study the following information carefully to answer these questions.**

A. Eleven students, A, B, C, D, E, F, G, H, I, J and K, are sitting in the first row of the class facing the teacher.



B. D who is to the immediate left of F is second to the right of C.

C. A is the second to the right of E, who is at one of the ends.

D. J is the immediate neighbour of A and B and third to the left of G.

E. H is to the immediate left of D and third to the right of I.

69. Who is sitting in the middle of the row ?

a) B                      b)C                      c)G                      d)I

70. Which of the following group is sitting to the right of G ?

a) CHDE                      b)CHDF                      c)IBJA                      d)ICHDF





missed 27 times, A has killed:

- A.30 birds
- C.72 birds

- B.60 birds
- D.90 birds

85. A man has some hens and cows. If the number of heads be 48 and the number of feet equals 140, then the number of hens will be:

- A.22
- C.24

- B.23
- D.26

86. What decimal of an hour is a second ?

- A..0025
- C..00027

- B..0256
- D..000126

87. If  $2994 \div 14.5 = 172$ , then  $29.94 \div 1.45 = ?$

- A.0.172
- C.17.2

- B.1.72
- D.172

88. The expression  $(11.98 \times 11.98 + 11.98 \times x + 0.02 \times 0.02)$  will be a perfect square for  $x$  equal to:

- A.0.02
- C.0.04

- B.0.2
- D.0.4

89.  $3889 + 12.952 - ? = 3854.002$

- A.47.095
- C.47.932

- B.47.752
- D.47.95

90. The price of commodity  $X$  increases by 40 paise every year, while the price of commodity  $Y$  increases by 15 paise every year. If in 2001, the price of commodity  $X$  was Rs. 4.20 and that of  $Y$  was Rs. 6.30, in which year commodity  $X$  will cost 40 paise more than the commodity  $Y$ ?

- A.2010
- C.2012

- B.2011
- D.2013

**Test : Number System**

91. Which one of the following is not a prime number?

A. 31  
C. 71

B. 61  
D. 91

92.  $(112 \times 5^4) = ?$

A. 67000  
C. 76500

B. 70000  
D. 77200

93. It is being given that  $(2^{32} + 1)$  is completely divisible by a whole number. Which of the following numbers is completely divisible by this number?

A.  $(2^{16} + 1)$   
C.  $(7 \times 2^{23})$

B.  $(2^{16} - 1)$   
D.  $(2^{96} + 1)$

94. What least number must be added to 1056, so that the sum is completely divisible by 23 ?

A. 2  
C. 5

B. 3  
D. 21

95.  $1397 \times 1397 = ?$

A. 1951609  
C. 18362619

B. 1981709  
D. 2031719

96. How many of the following numbers are divisible by 132 ?

264, 396, 462, 792, 968, 2178, 5184, 6336

A. 4  
C. 6

B. 5  
D. 7

97.  $(935421 \times 625) = ?$

A. 575648125  
C. 584649125

B. 584638125  
D. 585628125

98. The largest 4 digit number exactly divisible by 88 is:

A. 9944  
C. 9988

B. 9768  
D. 8888

99. Which of the following is a prime number ?

A. 33  
C. 93

B. 81  
D. 97

100. What is the unit digit in  $\{(6374)^{1793} \times (625)^{317} \times (341^{491})\}$ ?

A. 0  
C. 3

B. 2  
D. 5