

1. My father advises me
 - a) not to be smoked
 - b) not to smoke
 - c) don't smoke
 - d) never smoke
2. The dumb man and the blind man
 - a) helps each other
 - b) help each other
 - c) helps each other
 - d) help each other
3. If Shyam works hard he never the exam.
 - a) pass
 - b) fails
 - c) fail
 - d) will fail
4. While mother was cooking dinner I for my exam.
 - a) Studied
 - b) Study
 - c) had studied
 - d) was studied
5. Who is creating this mess? Passive form
 - a) who has created this mess?
 - b) By whom this mess is being relayed?
 - c) By whom has this mess been created?
 - d) By whom is this mess being created?
6. The word "Sophisticated" is
 - a) ancient
 - b) antigul
 - c) old
 - d) modern
7. The word "Nationalism" is
 - a) noun
 - b) adjective
 - c) adverb
 - d) verb
8. Bina invite your friends
 - a) yourself
 - b) herself
 - c) yourselves
 - d) my self

9. By the next week we from Dhading.
- a) shall return
 - b) shall have returned
 - c) shall be returned
 - d) shall return
10. The passive of "Don't clean the room" is
- a) Let the room not be cleaned.
 - b) Don't let the room cleaned.
 - c) Let no the room be cleaned.
 - d) Let the room not cleaned.
11. Time and tide for none.
- a) wit
 - b) waited
 - c) waits
 - d) will wait
12. Himalayas is in the north of Nepal.
- a) a
 - b) an
 - c) the
 - d) no article
13. Nobody came to the party?
- a) didn't they
 - b) didn't she/he
 - c) hadn't they
 - d) did they
14. Fifty miles a long distance.
- a) is
 - b) was
 - c) have
 - d) none
15. Students go to school read and write.
- a) so that
 - b) to
 - c) for
 - d) because
16. her stupidity, she was selected for the post.
- a) Because of
 - b) In spite of
 - c) Although
 - d) In order

17. If she to come, I would be delighted.

- a) is
- b) was
- c) had been able
- d) were

18. Butter melts if it

- a) was heated
- b) has been heated
- c) is heated
- d) heated

19. I am getting him my bed.

- a) make
- b) made
- c) maked
- d) to make

20. She has gone to get her television.

- a) fix
- b) fixed
- c) fixing
- d) fixes

21. are planning an excursion.

- a) I and you
- b) I and he
- c) He and she
- d) I and She

22. were absent yesterday.

- a) We, you and he
- b) We, you and they
- c) They, you and We
- d) We, they and You

23. The synonyms of "Detest" is

- a) Prefer
- b) Loathe
- c) Jealous
- d) Forgive

24. He was sad that his seniority had been overlooked.

- a) rejected
- b) Neglected
- c) Confused
- d) Sidesstepped

25. The synonym of "Baffle" is
- a) Puzzle
 - b) Tease
 - c) Track
 - d) hoodwink
26. The police arrested a pick - pocket.
- a) has
 - b) have
 - c) are
 - d) is
27. He as well as I busy.
- a) is
 - b) am
 - c) are
 - d) were
28. Binita her teeth twice yesterday.
- a) brushes
 - b) was brushing
 - c) has brushed
 - d) brushed
29. We on a picnic tomorrow.
- a) will go
 - b) will be going
 - c) will have gone
 - d) has been
30. Suraj plays guitar but he the piano.
- a) Did not played
 - b) does not play
 - c) do not play
 - d) does not play
31. The antonym of 'obviously' is
- a) Obscurely
 - b) Surely
 - c) Indefinitely
 - d) Certainly
32. The antonym of 'Boost' is
- a) hinder
 - b) obstruct
 - c) discourage
 - d) rebuke

33. The antonym of 'demon' is
- a) Charitable
 - b) Kind-hearted
 - c) angel
 - d) fair-minded
34. The mother was concerned the study of her child.
- a) with
 - b) at
 - c) about
 - d) for
35. We started eight in the morning.
- a) at
 - b) in
 - c) on
 - d) at, on
36. Take this medicine and you will get rid the bed cold.
- a) of
 - b) over
 - c) at
 - d) from
37. The instinct of a watch dog is the attack stranger who enter its home.
- a) judicious
 - b) intimate
 - c) pragmatic
 - d) primal
38. "Lost in the clouds" means
- a) to enjoy
 - b) to wait
 - c) confused
 - d) very much sure
39. "To give up" means
- a) abandon
 - b) kill
 - c) go far
 - d) help
40. "Hope against hope" means
- a) very happy
 - b) very said
 - c) hope in-spite of disappointment
 - d) hoping great results

41. If $f(x) = 2x + 3$ and $g(x) = x^2 + 7$, then the value of x for which $f[g(x)] = 25$ are,

- a) ± 1
- b) ± 2
- c) ± 3
- d) ± 4

42. The centroid of the triangle whose vertices are (2, 0), (4, 4) and (6, 2) is

- a) (4, 2)
- b) (2, 4)
- c) (-4, -2)
- d) (2, -4)

43. Inclination of the straight line $x - 5 = 0$ is

- a) 0°
- b) 90°
- c) 180°
- d) ∞

44. Every prime number has

- a) non-factor
- b) only one
- c) only two factors
- d) more than two factors

45. Solving $4^x \cdot 2^y = 128$ and $3^{3x+2y} = 9^6$, we get ----- roots

- a) $\frac{7}{4}, \frac{7}{2}$
- b) 2, 3
- c) 1, 2
- d) 1, 3

46. The two numbers whose A.M=50 and G.M=40 are

- a) 20, 80
- b) 20, 30
- c) 20, 40
- d) 20, 50

47. The ratio of $\frac{3}{5}$ to 8 is

a) $\frac{1}{40}$

b) $\frac{3}{40}$

c) $\frac{4}{50}$

d) $\frac{24}{5}$

48. Ram ate $\frac{1}{3}$ of cake and Sabbu ate $\frac{1}{4}$ of it. The fractions of the cake uneaten is

a) $\frac{1}{3}$

b) $\frac{1}{4}$

c) $\frac{1}{2}$

d) $\frac{5}{12}$

49. The sum of greatest and smallest five digits number is

a) 11110

b) 11111

c) 109999

d) 10900

50. If one root of $5x^2 + 13 + p = 0$ be reciprocal of the other then the value of p is

a) -5

b) 5

c) $\frac{1}{5}$

d) $-\frac{1}{5}$

51. The inequality $-7 \leq 2x + 5 \leq 7$ is equivalent to

- a) $-6 \leq x \leq 2$
- b) $-6 \leq x \leq 1$
- c) $-7 \leq c \leq 5$
- d) $-6 \leq x \leq -1$

52. The value of $\frac{2}{2 - \frac{2}{2 - \frac{1}{3}}}$ is

- a) -2
- b) -1
- c) $5/2$
- d) none

53. Hari is 10 year older then Urmila. However, 5 years ago Hari was twice as old as Sita. Sita is years old.

- a) 5
- b) 10
- c) 12
- d) 15

54. If $x + y = 3$, what is the value of $x^3 + y^3 + 9xy$?

- a) 27
- b) 9
- c) 1
- d) 0

55. $\frac{d}{dx}(\tan x) =$

- a) $\sec x \cdot \tan x$

b) $\sec^2 x$

c) $-\sec^2 x$

d) $-\cot x$

56. If $\sqrt{2} \sec \theta - 2 = 0$, then $\theta =$

a) 45°

b) 60°

c) 30°

d) none

57. The value of $64 \times 128 \times 512 \times 2^{-3}$ is

a) 2^{20}

b) 2^{21}

c) 2^{19}

d) 2^{17}

58. If $11:20 = x:5$, then $x =$

a) $\frac{11}{5}$

b) $\frac{11}{4}$

c) $\frac{11}{20}$

d) $\frac{20}{11}$

59. The value of $\frac{5293 \times 5293 - 3633 \times 3633}{8926}$ is

a) 1625

b) 2525

c) 1460

d) 1660

60. If $n(u) = 125, n(A) = 80, n(B) = 65$, then the greatest value of $n(A \cup B) =$

- a) 120
- b) 125
- c) 145
- d) none

61. If $\cos A = \frac{4}{5}$, then $\sin 2A =$

- a) $\frac{3}{5}$
- b) $\frac{24}{25}$
- c) $\frac{2}{5}$
- d) $\frac{1}{5}$

62. The inverse matrix of the matrix $A = \begin{bmatrix} 4 & 3 \\ -1 & 2 \end{bmatrix}$ is

- a) $\frac{1}{11} \begin{bmatrix} 2 & -3 \\ 1 & 4 \end{bmatrix}$
- b) $\begin{bmatrix} \frac{2}{11} & \frac{1}{11} \\ -\frac{3}{11} & \frac{4}{11} \end{bmatrix}$
- c) $\frac{1}{11} \begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}$
- d) None

63. If the line $2x + 3y = 6$ is perpendicular to the line $ax + 4y = 3$, then $a =$

- a) -1
- b) -12
- c) -6
- d) 5

64. The angle between $\vec{a} = 9\vec{i} - 6\vec{j}$ and $\vec{b} = 6\vec{i} + 9\vec{j}$ is

- a) 0°
- b) 60°
- c) 90°
- d) 180°

65. $\sin 120^\circ =$

- a) $-\frac{1}{2}$
- b) $\frac{\sqrt{3}}{2}$
- c) $-\frac{\sqrt{3}}{2}$
- d) $\frac{1}{\sqrt{2}}$

66. A grocer has a sale of Rs. 6435, Rs. 6927, Rs. 6855, Rs. 7230 and Rs. 6562 for 5 consecutive months. How much sale he must have in the sixth month so that he gets an average sale of Rs. 6500?

- a) 4800
- b) 4991
- c) 5291
- d) 5000

67. A library has an average of 510 visitor on Sunday and 240 on other days. What is the average number of visitor per day in a month of 30 days beginning with a Sunday?

- a) 290
- b) 304
- c) 285
- d) 276

68. If the digits of the number 5.726489 are arranged in ascending order, how many digits will remain at same position?
- a) Four
 - b) one
 - c) two
 - d) three
69. If 6 is 24% of a number, which is 40% of the same number?
- a) 8
 - b) 10
 - c) 15
 - d) 20
70. A salary of an officer being increasing by 10% every year become Rs. 48400 in the third year. What was his original salary?
- a) Rs. 45000
 - b) Rs. 44000
 - c) Rs. 42000
 - d) Rs. 40000
71. 60 is 80% of which number?
- a) 60
 - b) 72
 - c) 75
 - d) 80
72. When 10000 is increased by 0.1% we get
- a) 10001
 - b) 10010
 - c) 10100
 - d) 11000
73. The square root of 130321 is
- a) 121
 - b) 231
 - c) 361
 - d) 661
74. Which of the following number is divisible by 12 but not by 8?
- a) 72
 - b) 88
 - c) 108
 - d) 120
75. The average of x and y is 40. If $Z=10$, what is the average of x, y and z?
- a) 16.6

- b) 20
- c) 25
- d) 30

76. In mixture of 60 litres the ratio of milk and water is 2:1. If the ratio is to be 1:2 then the quantity of water to be further added is

- a) 20l
- b) 30l
- c) 60l
- d) 70l

77. The smallest four digit number divided by 6, 8 and 16 is

- a) 1000
- b) 1002
- c) 1004
- d) 1008

78. If $\sin x = \cos x$, what is the acute angle of x?

- a) 45^0
- b) 60^0
- c) 30^0
- d) All

79. Two number are respectively 20% and 50% more than a third number. The ratio of two number is

- a) 2:5
- b) 3:5
- c) 4:5
- d) 6:7

80. If a sum of money is divided equally among children each child will received Rs. 60. If another child is added to the group, then each child will receive Rs. 50. What is the number of children?

- a) 5
- b) 10
- c) 9
- d) 25

81. If $5a=3b=25$, then $30ab=?$

- a) 100
- b) 150
- c) 625
- d) 1250

82. Arun obtained 76,65,82,67 and 85 marks (out of 100) in English, Mathematics, Chemistry, Biology and Physics.

What is his average mark?

- a) 53
- b) 54
- c) 72
- d) 75

83. $0.3 \times 0.006 =$

- a) 0.00028
- b) 0.0018
- c) 0.018
- d) 0.18

84. If $8x+4=32$, then $2x-1=?$

- a) 9
- b) 8
- c) 6
- d) 5

85. Value of $\log 8 \div \log \frac{1}{8}$ is

- a) $6 \log 2$
- b) $\log 2$
- c) 3
- d) -1

86. A card is drawn at random from the pack of 52 card. What is the probability of getting a face card?

- a) $\frac{4}{13}$
- b) $\frac{1}{4}$
- c) $\frac{1}{2}$
- d) $\frac{3}{13}$

87. The value of $\cot \theta$ when $\sec \theta = 4$ is

- a) $\frac{\sqrt{15}}{4}$

b) $\frac{1}{\sqrt{15}}$

c) $-\frac{1}{4}$

d) $\sqrt{15}$

88. A and B are two sets $A \cup B = A \cap B$, then

a) $A = \emptyset$

b) $B = \emptyset$

c) $(A \cup B) = \emptyset$

d) $A = B$

89. The area of circle is given by

a) $2\pi r$

b) πr^2

c) $\pi r^2 h$

d) $2\pi r^2$

90. Select the correct statement.

a) Every identity matrix is a scalar matrix.

b) Every diagonal matrix is an identity matrix.

c) Every scalar matrix is a identity matrix.

d) A square matrix whose every element is 1 is an identity matrix.

91. Who is the father of Modern Computer?
- a) Alan Turning
 - b) Charles Babbage
 - c) Rectnor
 - d) Haris
92. What is the capital of France?
- a) Bangkok
 - b) Paris
 - c) Rome
 - d) France
93. Who is CEO of Microsoft?
- a) Bill Gates
 - b) Satya Nadella
 - c) Steive Jobs
 - d) Donald
94. Who is the first king of Kirant Dynasty?
- a) Bhuktaman
 - b) Nimish
 - c) Yalambar
 - d) Abhir
95. Whose autobiography was the long walk to freedom?
- a) Mahatma Gandhi
 - b) Nelson Mandela
 - c) Md. All Jinnah
 - d) Subash Chandra Bose
96. Which is not the island of Japan?
- a) Hokkaido
 - b) Honshu
 - c) Shikoku
 - d) Filasha
97. The name of the largest lake in the world.
- a) Caspian sea
 - b) Rara lake
 - c) Baikal
 - d) Big lake
98. Which nation won the ICC cricket world cup 2011?
- a) Australia

- b) Sri Lanka
- c) India
- d) England

99. What is the national flower of Japan?

- a) Rose
- b) Mary Gold
- c) White Lily
- d) Chrysanthemum

100. Which medical tool was developed by Sanctorius in 1612

- a) Thermometer
- b) Blood pressure Measurement
- c) Glucometer
- d) X-Ray