



Section - I

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- This is the Sample Paper only. The original paper may vary from this pattern.
- All the questions carry equal marks.
- You have to show equal competence in each of the sections.

General Ability Test

1. The sum of first 45 natural numbers is -

- a) 2070 b) 1035 c) 1280 d) 2140

2. Find the sum of all odd numbers up to 100

- a) 2500 b) 2450 c) 2400 d) 2550

3. Which of the following number is exactly divisible by 99?

- a) 114345 b) 135792 c) 3572404 d) 913464

4. $852.2109 + 106.78 - 59.157 = ?$

- a) 899.8339 b) 889.8339 c) 899.9833 d) 804.5879

5. Which of the following fraction is less than $\frac{7}{8}$ and greater than $\frac{1}{3}$?

- a) $\frac{1}{4}$ b) $\frac{23}{24}$ c) $\frac{11}{12}$ d) $\frac{17}{24}$

6. On simplification of expression $1-(1-(1-1-1))$ yields

- a) 0 b) 1 c) 2 d) 3



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7. $1 + \frac{1}{1 + \frac{1}{1 - \frac{1}{6}}} = ?$

- a) $\frac{6}{11}$ b) $\frac{16}{11}$ c) $\frac{7}{6}$ d) $\frac{1}{6}$

8. If $a/3 = b/4 = c/7$ the value of $\frac{a+b+c}{c} = ?$

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

9. $\sqrt{64009}$ is equal to

- a) 803 b) 363 c) 347 d) 253

10. If $\frac{X}{\sqrt{2.25}} = 550$ then the value of X

- a) 875 b) 82.5 c) 3666.66 d) 2

11. The value of $\sqrt{0.064}$ is

- a) 0.8 b) 0.08 c) 0.008 d) 0.252

12. The average of price of three items of furniture is Rs.15000/-. If their prices are in the ratio of 3:5:7, the price of cheapest item is

- a) Rs.9000/- b) Rs.15000/- c) Rs.18000/- d) Rs.21000/-



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13. The average weight of 29 students is 28 kg. By the admission of a new student the average weight is reduced to 27.8 kg. The weight of new student is-

- a) 22 kg. b) 21.6 kg. c) 22.4 kg. d) 21 kg.

14. The product of two numbers is 120 and sum of their squares is 289 then the sum of the numbers is-

- a) 20 b) 23 c) 169 d) none of these

15. The ages of Ram and Krishna are in the ratio of 3:5. After 9 years the ratio of their ages will become 3:4. Hence what will be the present age of Krishna (in years)?

- a) 9 b) 15 c) 18 d) 24

16. Five years ago, the total of ages of a father and his son was 40 years. The ratio of their present age is 4:1. What is the present age of the father?

- a) 44 b) 32 c) 22 d) 45

17. If $3\sqrt{32} = 2^x$ there is X is equal to-

- a) 5 b) 3 c) $3/5$ d) $5/3$

18. 4 or 5 in these numbers which number is larger?

- a) 4 b) 5



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19. If 70% of students in a school are boys and number of girls is 504 the number of boys is ?

- a) 1680 b) 1176 c) 1276 d) None of these

20. A man spends 35% of his income on house rent, 75% of the remaining on other items. What percentage of income does he save?

- a) 16.25 b) 34.50 c) 48.75 d) None of these

21. 300 gms of sugar solution has 40% sugar in it. How much sugar should be added to make it 50% in the solution?

- a) 10 gm b) 40 gm c) 60 gm d) 80 gm

22. If an article is sold for Rs.247.5 and the profit is 12.5%. Then what is the cost of the article?

- a) 225 b) 224 c) 220 d) 210

23. The sides of a triangle are in the ratio of $1/2 : 1/3 : 1/4$ and its perimeter is 104 cm. Then the length of long side is-

- a) 52 cm b) 48 cm c) 32 cm d) 26 cm

24. If A, B and C together can finish a piece of work in 4 days, A alone can do it in 12 days and B in 18 days, then C alone can do it in

- a) 21 days b) 16 days c) 14 days d) 9 days

25. A sum of money at compound interest amounts to Rs.5290/- in 2 years and to 6083.5 in 3 years, the rate of interest per annum is-

- a) 12% b) 14% c) 15% d) $16 \frac{2}{3}\%$