**Roll no**:

**Mock Test-1**

**Name**:

1. A tree was planted two years ago. It increases at the rate of 30% every year. If at present the height of the tree is 676 cm, what was it’s height when the tree was planted?  
   (1) 324 cm (2) 375 cm (3) 400 cm (4) 432 cm
2. Rams saves 25% of his total salary. Next year he increases his expenses by 50% but his savings remain same. What is the percentage change in salary next year?  
   (1) 12.5% decrease (2) 16.66% increase (3) 7.5% increase (4) None

3) Selling price of 7 articles = cost price of 5 articles. The percentage profit or loss is  
 (1) 28% profit (2) 25% profit (3) 28% loss (4) 140% loss

4) On selling 17 balls at Rs. 720, there is a loss equal to the cost price of 5 balls. The cost price of a ball is:

(1) 35 (2) 60 (3) 55 (4) None

5) In the rectangle length is increased by 20%. If the area is constant, then find out percentage change in breadth of the rectangle?

(1) 1.67% increase (2) 2% increase (3) 1.67%decrease (4) None

6) In a election between two by candidates, 15 % of the votes cast are invalid. The winner gets 60% of the valid votes and defeats the loser by 5100 votes. How many votes are totally cast?

(1) 30,000 (2) 3,000 (3) 15,000 (4) None

7) An article was sold at a loss of 17%. If it were sold Rs.5100 more, there would have been a gain of 17%. Find the cost price of the music system.  
 (1) 15,000 (2) 30,000 (3) 28,900 (4) None

8) A sum of money placed at compound interest doubles itself in 4 years. In how many years will it amount to 8 times?

(1) 16 (2) 8 (3) 32 (4) 12

9) On a sum of money, the simple interest for 2 years is Rs. 400, while the compound interest is Rs. 425, the rate of interest being the same in both the cases. The rate of interest is

(1) 25% (2) 12.5% (3) 6.25% (4) None

10) A sum fetched a total simple interest of Rs. 929.20 at the rate of 8% per anum in 5 years. What is the sum?

1) 2563 2) 2353 3) 2323 (4) None

11) Vasudha Spends 30% 0f her salary for shopping, in remaining 40% house expenses, in remaining 50% for transport and she saves remaining amount of

Rs.6300/-, then find out how much amount has she spent on house expenses?

1) 30,000 2) 12,000 3) 9,400 4) 8,400

12) A shopkeeper fixes the marked price of an item 35% above its cost price. The percentage of discount allowed to gain 8% is?

1) 20% 2) 25% 3) 27% 4) None

13) In how many years, Rs. 150 will produce the same interest at 6% as Rs. 800 produce in 2 years at 4½%?

1) 6yrs 2) 8yrs 3) 9yrs 4) 10yrs

14) A merchant uses dishonest means to make profit by announcing that he sells at cost price weighs 750 gm for every 1000 gm. What is his gain percent?  
 (1) 10 (2) 20 (3) 25 (4) None

15) An amount of Rs. 20000 is taken as loan by Satish for 3 years at C.I at 5%, 15% and 20% respectively. What is the total interest to be paid after 3 years?

1) Rs.8,980 2) Rs.8,900 3) Rs.9,200 4)Rs.8,800

16) A man scores 37.5% and passed by 5marks. If he scored 51.5% he would pass by 12 marks then for how many marks exam is conducted?  
 (1) 120 (2) 125 (3) 100 (4) 50

17) An article was sold at Rs.12, 240 at a loss of 32 %. Then what is the cost price of the article?  
 (1) Rs.25000 (2) Rs.18000 (3) Rs.20000 (4) 15000

18) Find the difference between C.I & S.I at 5% per anum for 2 years on a principal of Rs.3000?

1) 5 2) 7.5 3) 15 4) 12.5

19) The population of a town increased from 1,75,000 to 2,62,500 in a decade. What is the average percent increase of population per year?

1) 4.5% 2) 8% 3) 5% 4) None

20) The successive discounts of 10%, 20% 25% is equal to what single discount?

1) 46% 2) 40% 3) 55% 4) 54%

21) On S.I, a sum of money becomes Rs.1240 in 5 years and Rs.1600 in 11 years. How much money deposited?

1) 900 2) 1000 3)840 4) None

22) A sum of money becomes Rs. 2200 after three years and Rs. 4400 after six years on compound interest. The sum is

1) 1100 2) 1000 3) 1200 4) None

23) What will be the amount on 25,000 sum At compound interest for 2 1⁄2 years at 10% per anum?

1) Rs. 35000 2) Rs. 31762.5 3) Rs. 32750.5 4) None

24) The compound interest on Rs. 20,000 at 8% per annum is Rs. 3,328. What is the period (in year)?

1) 3 yrs 2) 4 yrs 3) 2yrs 4) 2.5 yrs

25) A sum of Rs. 6600 was taken as a loan. This is to be repaid in two equal annual installments. If the rate of interest be 20% compounded annually then the value of each installment is?

1) 4420 2) 4500 3) 2400 4) 4320

26) In a shop, the profit is 320% of the cost. If the cost increases by 25% but the selling price remains constant, find out approximately what percentage of the selling price is the profit?

1) 100% 2) 250% 3) 85% 4) 70%

27) A vendor bought bananas at 6 for a rupee. How many for a rupee must he sell to gain 20%?

1) 4 2) 6 3) 5 4) None

28) 100 oranges were bought at the rate of Rs. 350 and sold at the rate of Rs. 48 per dozen. What is the percentage of profit or loss?

1) 11.28% loss 2) 14.28% profit 3) 14.28% loss 4) None

29) 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?

1) 4:3 2) 2:1 3) 1:2 4) 1:1

30) What percentage of numbers from 1 to 70 have 1 or 9 in the unit's digit?

1) 20% 2) 20.66% 3) 21% 4) None

**ANSWERS:**

1. 11. 21.

2. 12. 22.

3. 13. 23.

4. 14. 24.

5. 15. 25.

6. 16. 26.

7. 17. 27.

8. 18. 28.

9. 19. 29.

10. 20. 30.