Percentage, Profit & Loss

1. **A batsman scored 120 runs which included 3 boundaries and 8 sixes. What percent of his total score did he make by running between the wickets?**
   A) 40%   B) 50%   C) 45%   D) 55%

2. **A fruit seller had some apples. He sells 40% apples and still has 420 apples. Originally, he had:**
   A) 588 apples   B) 600 apples   C) 672 apples   D) 700 apples

3. **If 20% of $a = b$, then b% of 20 is the same as:**
   A) 4% of a B) 5% of a C) 20% of a D) None of these

4. **Two tailors X and Y are paid a total of Rs. 550 per week by their employer. If X is paid 120% of the sum paid to Y, how much is Y paid per week?**
   A) Rs. 200   B) Rs. 250   C) Rs. 300   D) None of these

5. **The population of a town is 10000. It increases annually at the rate of 20% p.a. What will be its population after 2 years?**
   A) 14440   B) 12400   C) 14400   D) 11400

6. **The population of a town is 8000. It decreases annually at the rate of 20% p.a. What will be its population after 2 years?**
   A) 1600   B) 3200   C) 6400   D) 5120

7. **The population of a town increases 10% and 20% respectively in two consecutive years. The present population of the town is 13200. Then what was the population of the town 2 years ago?**
   A) 10010   B) 10001   C) 10000   D) 10100

8. **In an examination it is required to get a minimum of 30% of total marks to pass. A student got 110 marks and was declared failed by 10 marks. Then what is the total marks?**
   A) 400   B) 500   C) 600   D) None of these

9. **A mixture of 20 litres of milk and water contains 20% of water. A new mixture is formed by adding 5 litres of water. What is the percentage of milk in the new mixture?**
   A) 36%   B) 20%   C) 64%   D) 46%

10. **When a number is first increased by 10% and then reduced by 10%, the number:**
    A) Does not change   B) Decreases by 1%   C) Increases by 1%   D) None of these

11. **When a number is first reduced by 20% and then increased by 10%, the number:**
    A) Does not change   B) Decreases by 12%   C) Increases by 12%   D) None of these

12. **In an election between two candidates, 10% of votes were declared invalid. First candidate got 60% of the valid votes and a lead of 1800 votes. The total number of votes enrolled in that election was:**
    A) 3000 votes   B) 5400 votes   C) 10000 votes   D) 12000 votes

13. **If A is 25% greater than B then how much percentage is B smaller than A?**
    A) 25%   B) 20%   C) 33.33%   D) 16.67%

14. If the price of petrol increases by 25%, by how much must a user cut down his consumption so that his expenditure on petrol remains constant?
    A) 25%   B) 16.67%   C) 20%   D) 33.33%

15. If X and Y are 20% and 25% greater than Z respectively, then by how much percentage is X smaller than Y?
    A) 23%   B) 4%   C) 5%   D) 10%

16. If the price of petrol increases by 25% and Raj intends to spend only an additional 15% on petrol, by how much will he reduce the quantity of petrol purchased?
    A) 16.67%   B) 8%   C) 10%   D) 12%

17. Alfred buys an old scooter for Rs. 4700 and spends Rs. 800 on its repairs. If he sells the scooter for Rs. 5800, his gain percent is:
    A) $4\,^4/_7$%   B) $5\,^5/_{11}$%   C) 10%   D) 12%

18. The cost price of 20 articles is the same as the selling price of x articles. If the profit is 25%, then the value of x is:
    A) 15   B) 16   C) 18   D) 25

19. If selling price is doubled, the profit triples. Find the profit percent.
    A) $66^2/_3$ B) 100   C) $105^1/_3$ D) 120

20. In a certain store, the profit is 320% of the cost. If the cost increases by 25% but the selling price remains constant, approximately what percentage of the selling price is the profit?
    A) 30%   B) 70%   C) 100%   D) 250%

21. A vendor bought toffees at 6 for a rupee. How many for a rupee must he sell to gain 20%?
    A) 3   B) 4   C) 5   D) 6

22. The percentage profit earned by selling an article for Rs. 1920 is equal to the percentage loss incurred by selling the same article for Rs. 1280. At what price should the article be sold to make 25% profit?
    A) Rs. 2000   B) Rs. 2400   C) Rs. 2200   D) None of These

23. Some articles were bought at 6 articles for Rs. 5 and sold at 5 articles for Rs. 6. Gain percent is:
    A) 30%   B) $33^1/_3$%   C) 35%   D) 44%

24. A person purchases 50 dozen eggs at Rs. 4 per dozen. Of these, 40 eggs were found broken. At what price should he sell the remaining eggs in order to make a profit of 5% on the whole?
    A) Rs.5/dozen   B) Rs.4.5/dozen   C) Rs.6/dozen   D) Rs.4.25/dozen