

# PG-DAC FEB 25 APTITUDE QUESTION BANK

## Topic: Profit & Loss , Percentage

1.If an article is sold at a loss of 25%, and the selling price is ₹450, find the cost price.

- a) ₹500
- b) ₹550
- c) ₹600 **Right**
- d) ₹650

2.A person bought an item for ₹1200 and sold it for ₹1440. What is the profit percentage?

- a) 10%
- b) 15%
- c) 20% **Right**
- d) 25%

3.If the selling price of an item is ₹960 and the cost price is ₹800, what is the profit percentage?

- a) 15%
- b) 20% **Right**
- c) 25%
- d) 30%

4 A shopkeeper sells a fan at ₹1200 with a loss of 20%. Find the cost price.

- a) ₹1400
- b) ₹1500 **Right**
- c) ₹1600
- d) ₹1700

5.If the cost price of an article is ₹400 and it is sold for ₹480, what is the profit percentage?

- a) 15%
- b) 20% **Right**
- c) 25%
- d) 30%

6.A trader gives two successive discounts of 20% and 10%. Find the net discount percentage.

- a) 28% **Right**
- b) 30%
- c) 32%
- d) 36%

7.A man sold a shirt for ₹800 after giving a 20% discount. Find the marked price.

- a) ₹900
- b) ₹1000 **Right**
- c) ₹1100
- d) ₹1200

8.A watch is sold for ₹1800 with a 25% profit. Find the cost price.

- a) ₹1200
- b) ₹1300

- c) ₹1440 **Right**
- d) ₹1500

9. A shopkeeper marks an article at ₹1500 and allows a 10% discount. Find the selling price.

- a) ₹1300
- b) ₹1350 **Right**
- c) ₹1400
- d) ₹1450

10. A merchant buys 10 pens for ₹150 and sells them for ₹200. What is his profit percentage?

- a) 25%
- b) 30%
- c) 33.33% **Right**
- d) 40%

11. A trader gives a 15% discount on an item and still makes a profit of 20%. What is the markup percentage?

- a) 30%
- b) 35%
- c) 40% **Right**
- d) 45%

12. A table is sold for ₹2250 at a 10% profit. What is the cost price?

- a) ₹1800
- b) ₹1900
- c) ₹2000 **2045 Right**
- d) ₹2100

13. If a shopkeeper wants a profit of 25% on an item that costs ₹800, what should be the selling price?

- a) ₹900
- b) ₹1000 **Right**
- c) ₹1050
- d) ₹1100

14. A refrigerator is sold for ₹15,000 at a loss of 10%. Find the cost price.

- a) ₹16,500
- b) ₹17,000
- c) ₹16,000
- d) ₹16,800 **16666.67 Right**

15. An article is marked 50% above the cost price and then sold at a discount of 20%. What is the profit percentage?

- a) 20% **Right**
- b) 25%
- c) 30%
- d) 35%

16. A dealer makes a profit of 12% after allowing a 5% discount. Find the marked price of an article whose cost price is ₹400.

- a) ₹500
- b) ₹510

- c) ₹520
- d) ₹530
- E) 471 Right**

17. A book is bought for ₹480 and sold for ₹576. What is the profit percentage?

- a) 15%
- b) 18%
- c) 20% **Right**
- d) 25%

18. If a profit of ₹50 is made on an article whose cost price is ₹500, what is the profit percentage?

- a) 8%
- b) 9%
- c) 10% **Right**
- d) 12%

19. A shopkeeper sells a cycle at a 15% profit and the selling price is ₹2300. Find the cost price.

- a) ₹1900
- b) ₹2000 **Right**
- c) ₹2100
- d) ₹2200

20. The cost price of an article is ₹750 and it is sold at ₹900. What is the gain percentage?

- a) 15%
- b) 18%
- c) 20% **Right**
- d) 25%

21. A man sells an item at 20% loss. If the selling price is ₹640, find the cost price.

- a) ₹700
- b) ₹750
- c) ₹800 **Right**
- d) ₹850

22. A trader sells a mobile phone for ₹9600 at a profit of 20%. Find the cost price.

- a) ₹7500
- b) ₹8000 **Right**
- c) ₹8200
- d) ₹8500

23. A shopkeeper sells an item for ₹500 at a 20% profit. What was the cost price?

- a) ₹400
- b) ₹410
- c) ₹420 **Right-- 416**
- d) ₹430

24. A man buys two articles for ₹1500 each. He sells one at a 20% profit and the other at a 10% loss. Find his net profit/loss.

- a) 5% loss
- b) 5% profit **Right**
- c) 10% profit

d) No profit, no loss

25. A trader sells an article at ₹1250 with a loss of 12%. Find the cost price.

- a) ₹1300
- b) ₹1400
- c) ₹1450
- d) ₹1500

**E) 1420.45 Right**

26. Find the profit percent earned after selling an article at a doubled rate for half quantity.

- a) 200%
- b) 300% **Right**
- c) 400%
- d) 450%

27. A number is multiplied by 20% of itself, the sum is then doubled. If the final value is 490, find the number.

- a) 35 **Right**
- b) 40
- c) 45
- d) 50

28. An article is sold at 20% less than its cost price. If the selling cost is 50 rupees and the selling cost is 5% of the selling price, find the loss. (Selling cost here is the expense occurred to sell the article, it is levied on the seller)

- a) 150 rupees
- b) 200 rupees **Right**
- c) 250 rupees
- d) 300 rupees

29. If the seller sells half of his goods at 20% loss and the rest of his goods at 50% profit, find the profit percentage on the entire transaction.

- a) 12% profit
- b) 15% profit **Right**
- c) 20% profit
- d) 25% profit

30. The expense of selling an article, worth rupees 6000, is 50 rupees. If the selling expenses is 10% more than the loss, find the loss percentage.

- a) 7.5% **Rigth**
- b) 8.33%
- c) 9.09%
- d) 10%

31. The profit on selling 1 article is equal to the cost price of 2 such articles. Find the profit percentage.

- a) 100%
- b) 150%
- c) 200% **Right**
- d) 225%

32. The initial price of an article is decreased by 20% but the selling price remains constant. If the initial profit was 500 rupees, find the new profit. It is known the initial profit percent was 20% of cost price

- a) 800 rupees
- b) 900 rupees
- c) 1000 rupees **Rigth**
- d) 1250 rupees

34. The price of a pair of slippers is decreased by 10% and the selling price is constant. If the initial profit percentage was equal to 25%, find the new profit percentage.

- a) 35%
- b) 38.8% **Right**
- c) 40%
- d) 42%

35. The cost price of an article is doubled, and the selling price is made half. If the initial profit percentage was 500%, find the profit percentage now.

- a) 25%
- b) 50% **Right**
- c) 100%
- d) 250%

36. A shopkeeper increases the price of sugar by 25%. By how much a family should decrease their consumption to maintain the regular price?

- a) 25% increase
- b) 25% decrease
- c) 20% increase **Rigth**
- d) 20% decrease

37. The profit on selling 15 articles is equal to the cost price of 2 articles. Find the profit percentage.

- a) 11.11%
- b) 12.22%
- c) 13.33% **Right**
- d) 14.44%

38. 40% of a number a is 50% of a number b, find the value of a : b.

- a) 2 : 3
- b) 1 : 4
- c) 1 : 5
- d) 3 : 5

**Right 5:4**

39. The marked price of an article is 5 times the discount. Find the selling price in terms of discount.

- a) 2.5 times the discount
- b) 3.5 times the discount
- c) 4 times the discount **Right**
- d) 5 times the discount

40. Solve for x;  $x = 20\%$  of  $12\%$  of  $120\%$  of 6250.

- a) 270
- b) 225
- c) 200
- d) 180 **Right**

41. A shopkeeper purchased an article for 500 rupees. At what price should he mark the article to allow a discount of 35% and still earn 100% profit.

- a) 1539 rupees **Right**
- b) 1593 rupees
- c) 1555 rupees
- d) 1599 rupees

42. A is 25% more than b. By what percent is b smaller than a?

- a) 13.33%
- b) 20% **Right**
- c) 22%
- d) 30%

43. If the discount is twice the cost price and the marked price is 10000, find the selling price. No profit or loss was made.

- a) 1111.11 rupees
- b) 3333.33 rupees **Right**
- c) 5555.55 rupees
- d) 7777.77 rupees

44. The cost price of an article is 30% less than the selling price. The discount is 40% of the selling price. If the marked price is 12600 rupees, find the cost price.

- a) 6300 rupees **Right**
- b) 10000 rupees
- c) 8400 rupees
- d) 5600 rupees

45. If 33.33% of a number is 20 more than 16.66% of the number, find 120% of the number.

- a) 121
- b) 139
- c) 144 **Right**
- d) 169

46. Find the number if, 20% of a number is 20 more than 20% of another number 20.

- a) 100
- b) 110
- c) 120 **Right**
- d) 125

47. A number is doubled, then tripled and this process is repeated twice. What is the percentage change?

- a) 3500%
- b) 3000% **Right**
- c) 2500%
- d) 1750%

48. By how much should 234 be reduced to make it 65% of itself?

- a) 80.9
- b) 81.9 **Rigth**
- c) 82.9
- d) 83.9

49. What is 90% of 900% of 9000% of 9?

- a) 7290
- b) 729
- c) 6156
- d) 6561 **Right**

50. Out of 25 employees of a company, 13 are set off and the salaries of rest of the employees is increased by 24%. Find the total increase or decrease in company's expenditure.

- a) 40.48% decreased
- b) 40.44% increased
- c) 44.48% decreased **Rigth**
- d) 44.84% increased

51. Zayn bought tickets to concert for Rs. 3500. He wants to sell them at a discount of 15%. What is the discount in Rs.?

- a) Rs.1525
- b) Rs.350
- c) Rs.525 **Rigth**
- d) Rs.1050