

Quantitative Aptitude for RRB NTPC

Q1. A profit of 12% is made when a mobile phone is sold at Rs. P and there is 4% loss when the phone is sold at Rs. Q. Then Q : P is:

- (a) 1: 1
- (b) 6: 7
- (c) 4: 5
- (d) 3: 1

Q2. An article is sold at a profit of 25%. If the selling price is doubled, the profit % will be:

- (a) 200%
- (b) 150%
- (c) 100%
- (d) 50%

Q3. A man purchased an article for Rs. 1500 and sold it at 25% above the cost price. If he has to pay Rs. 75 as tax on it his net profit percentage will be:

- (a) 25%
- (b) 30%
- (c) 15%
- (d) 20%

Q4. By selling some goods at Rs. 31, a salesman loses 7% on his output. Find the percentage profit or loss, when he sells the same at Rs. 35.

- (a) Loss 7%
- (b) Profit 5%
- (c) Loss 5%
- (d) Profit 7%

Q5. The marked price of an article is 10% higher than cost price. A discount of 10% is given on marked price. In this kind of sale, the seller bears:

- (a) no loss no gain
- (b) a loss of 5%
- (c) a gain of 1%
- (d) a loss of 1%



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Q6. A dealer makes a profit of 20% even after giving a 10% discount on the advertised price of a scooter. If he makes a profit of Rs. 7500 on the sale of the scooter. The advertised price was

- (a) Rs. 4500
- (b) Rs. 47500
- (c) Rs. 50000
- (d) Rs. 52500

Q7. A shopkeeper earns a profit of 12% on selling a book at 10% discount on the printed price. The ratio of the cost price and the printed price of the book is

- (a) 99: 125
- (b) 25: 37
- (c) 50: 61
- (d) 45: 56

Q8. A tradesman allows a discount of 15% on the marked price. How much above the cost price must he mark his goods as to gain 19%?

- (a) 34%
- (b) 40%
- (c) 25%
- (d) 30%

Q9. Rita bought a television set with 20% discount on the labelled price. She made a profit of Rs. 800 by selling it for Rs. 16,800. The labelled price of the set was

- (a) Rs. 18,000
- (b) Rs. 20,000
- (c) Rs. 20,800
- (d) Rs. 24,000

Q10. The price of a shirt after 15% discount, is Rs. 119. What was the marked price of the shirt before discount

- (a) Rs. 129
- (b) Rs. 140
- (c) Rs. 150
- (d) Rs. 160

Q11. If A is equal to 20% of B and B is equal to 25% of C. Then what percentage of C is equal to A?

- (a) 10
- (b) 15
- (c) 5
- (d) 20

Q12. The price of an article is decreased by 10% to restore it to its former value, the new price must be increased by:

- (a) $9\frac{1}{11}\%$
- (b) 10%
- (c) 11%
- (d) $11\frac{1}{9}\%$

Q13. In an examination, 35% of total students failed in Hindi, 45% failed in English and 20% failed in both. Find the percentage of those students who passed in both the subjects?

- (a) 45%
- (b) 35%
- (c) 20%
- (d) 40%

Q14. A's salary is 50% more than that of B. Then B's salary is less than that of A by

- (a) 50%
- (b) $33\frac{1}{3}\%$
- (c) $33\frac{1}{4}\%$
- (d) $44\frac{1}{2}\%$

Q15. Kamal had some apples. He sold 40% more than what he ate. If he sold 70 apples, then find the number of apples he ate?


- (a) 18
- (b) 42
- (c) 50
- (d) 99

Q16. What is the difference between 0.6 and 0.6% ?

- (a) 5.94
- (b) 0.594
- (c) 60
- (d) 54

Q17. A's salary was decreased by 50% and subsequently increased by 50%. How much percent does he lose?

- (a) 25%
- (b) 30%
- (c) 20%
- (d) No loss

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Q18. The ratio of number of boys and girls in a school of 720 students is 7 : 5. How many more girls should be admitted to make the ratio 1 : 1?

- (a) 90
- (b) 120
- (c) 220
- (d) 240

Q19. A basket contains 300 mangoes. 75 mangoes were distributed among some students. Find the percentage of mangoes left in the basket

- (a) 70%
- (b) 73%
- (c) 76%
- (d) 75%

Q20. If 35% of A's income is equal to 25% of B's income, then the ratio of A's income to B's income is

- (a) 7 : 5
- (b) 5 : 7
- (c) 4 : 7
- (d) 4 : 3

Q21. The sum of three positive numbers is 18 and their product is 162. If the sum of two number is equal to the third then the sum of squares of the numbers is

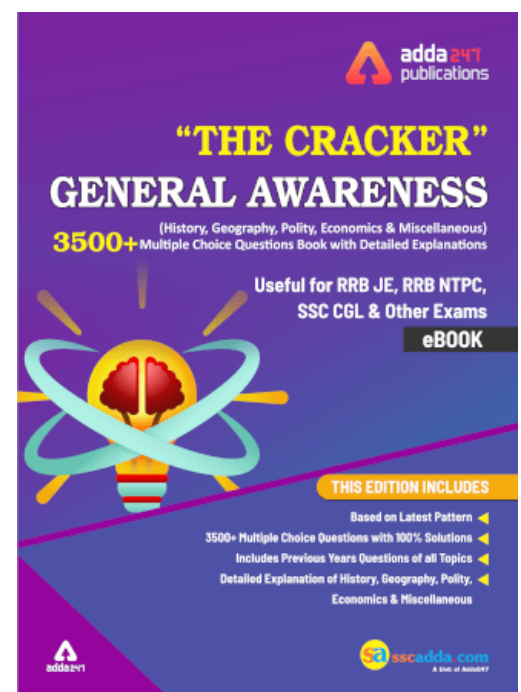
- (a) 120
- (b) 126
- (c) 132
- (d) 138

Q22. The sum of three consecutive even numbers is 28 more than the average of these three numbers. Then the smallest of these three numbers is

- (a) 6
- (b) 12
- (c) 14
- (d) 16

Q23. In a division sum, the divisor 'd' is 10 times the quotient 'q' and 5 times the remainder 'r'. If r = 46, the dividend will be

- (a) 5042
- (b) 5328
- (c) 5336
- (d) 4276



Q24. A man can do a piece of work in 30 hours. If he works with his son then the same piece of work is finished in 20 hours. If the son works alone he can do the work in

- (a) 60 hours
- (b) 50 hours
- (c) 25 hours
- (d) 10 hours

Q25. The daily wages of A and B respectively are 3.50 and 2.50. When A finishes a certain work, he gets a total wage of Rs. 63. When B does the same work, he gets a total wage Rs. 75. If both of them do it together what is the cost of the work ?

- (a) Rs. 67.50
- (b) Rs. 27.50
- (c) Rs. 60.50
- (d) Rs. 70.50

Q26. The marked price of an article is 30% higher than the cost price. If a trader sells the articles allowing 10% discount to customer, then the gain percent will be

- (a) 17
- (b) 20
- (c) 19
- (d) 15

Q27. A merchant marked the price of an article by increasing its production cost by 40%. Now he allows 20% discount and gets a profit of Rs. 48 after selling it. The production cost is

- (a) Rs. 320
- (b) Rs. 360
- (c) Rs. 400
- (d) Rs. 440

Q28. A watch dealer pays 10% customs duty on a watch which costs Rs. 500 abroad. He desires to make a profit of 20% after giving a discount of 25% to the buyer. The marked price should be

- (a) Rs. 950
- (b) Rs. 800
- (c) Rs. 880
- (d) Rs. 660

Q29. A shopkeeper allows 20% discount on his advertised price and to make a profit of 25% on his outlay. What is the advertised price (in Rs.) on which he gains Rs. 6000?

- (a) 36000
- (b) 37500
- (c) 39000
- (d) 42500

Q30. Rs. 2420 were divided among A, B, C . so that $A : B = 5 : 4$ and $B : C = 9 : 10$ then C gets

- (a) 680
- (b) 800
- (c) 900
- (d) 950

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