Quant Mega Quiz for SSC CGL Tier - 2

Q1. The profit earned by a shopkeeper by selling a bucket at a gain of 8% is Rs. 28 more then when he sells it at a loss of 8%. The cost price (in Rupees) of the bucket is
(a) 170
(b) 190
(c) 175
(d) 165

Q2. A Man bought 500 meters of electric wire at 50 paise per meter he sold 50% part at the profit of 5%, at what % profit he sold remaining as to gain 10% on the whole transaction?
(a) 13%
(b) 12.5%
(c) 15%
(d) 20%

Q3.A bookseller allowed 10% discount on the printed price. He gets 30% commission from the publisher. His profit in percent will be
(a) 20
(b) 28 4/7
(c) 25
(d) 28 3/7

Q4. A dealer is selling an article at a discount of 5% on the marked price. If the market price is 12% above the cost price and the article was sold for Rs. 532 then the cost price is (in Rs.)
(a) 500
(b) 525
(c) 505
(d) 520

Q5. A shopkeeper increases the price of an object by 40% and then sells it at 25% discount on the marked price. If the selling price of such an object be Rs. 2100, its cost price for the shopkeeper was?
(a) 3000
(b) 1500
(c) 1750
(d) 2000

Q6. By what fraction selling price (S.P.) must be multiplied to get the cost price (C.P.) if the loss is 20%?
(a) 4/5
(b) 8/5
(c) 5/4
(d) 6/5

Q7. Ramesh sold a book at a loss of 30%. If he has sold it for Rs. 140 more, he would have made a profit of 40%. The cost price of the book is
(a) Rs. 280
(b) Rs. 200
(c) Rs. 260
(d) Rs. 300

Q8. A shopkeeper purchased 510 eggs at the rate of Rs. 20 per dozen. 30 eggs were broken on the way. In order to make a gain of 20%, he must sell the remaining eggs at the rate of
(a) Rs. 22.50 per dozen
(b) Rs. 25.50 per dozen
(c) Rs. 26 per dozen
(d) Rs. 26.50 per dozen

Q9. A sells a watch to B and makes a loss of 12%. B makes a profit of 121/2% by selling the watch to C. If A sells the watch to B at the cost of which C purchased it, then the percentage of loss or profit of A will be.
(a) 1% loss
(b) 1% Profit
(c) 2% loss
(d) 2% Profit

Q10. A man buys 3 type-I cakes and 6 types-II cakes for Rs. 900. He sells type-I cakes at a profit of 15% and type-II cakes at a loss of 10%. If his overall profits is Rs. 30, the cost price (in Rs.) of a type-I and of a type-II cakes is
(a) 100, 100
(b) 160, 70
(c) 180, 60
(d) 120, 90

Q11. Arun lends Rs. 20,000 to two of his friends. He gives Rs. 12,000 to the first at 8% p.a. simple interest. Arun wants to make a profit of 10% on the whole. The simple interest rate at which he should lend the remaining sum of money to the second friend is
(a) 8%
(b) 16%
(c) 12%
(d) 13%

Q12. An amount of money at compound interest grows up to Rs. 3,840 in 4 years and up to Rs. 3,936 in 5 years. Find the rate of interest.
(a) 2.5%
(b) 2%
(c) 3.5%
(d) 2.05%

Q13. A sum of money at compound interest amounts to thrice itself in 3 years. In how many years will it be 9 times itself ?
(a) 9
(b) 27
(c) 6
(d) 3

Q14. Sita deposited Rs. 5,000 at 10% simple interest for 2 years, How much more money will Sita have in her account at the end of two years, if it is compounded semi-annually.
(a) Rs. 50
(b) Rs. 40
(c) Rs. 77.50
(d) Rs. 85.50

Q15. A person deposited Rs. 500 for 4 years and Rs. 600 for 3 years at the same rate of simple interest in a bank. Altogether he received Rs. 190 as interest. The rate of simple interest per annum was
(a) 4%
(b) 5%
(c) 2%
(d) 3%

Q16. A borrows Rs. 800 at the rate of 12% per annum simple interest and B borrows Rs. 910 at the rate of 10% per annum, simple interest. In how many years will their amounts of debt be equal?
(a) 18
(b) 20
(c) 22
(d) 24

Q17. The simple interest on a sum of money is 1/16 of the sum. If the number of years is numerically equal to the rate percent per annum, then the rate percent per annum is
(a) $3\frac{1}{3}\%$
(b) $6\frac{2}{3}\%$
(c) $2\frac{1}{2}\%$
(d) $7\frac{1}{2}\%$

Q18. Nitin borrowed some money at the rate of 6% p.a. for the first three years, 9% p.a. for the next five years and 13% p.a. for the period beyond eight years. If the total interest paid by him at the end of eleven years is Rs. 8,160, the money borrowed by him (in Rs.) was:
(a) Rs. 12000
(b) Rs. 6000
(c) Rs. 8000
(d) Rs. 10000

Q19. A certain sum of money becomes three times of itself in 20 years at simple interest. In how many years does it become double of itself at the same rate of simple interest?
(a) 8 years
(b) 10 years
(c) 12 years
(d) 14 years

Q20. Rs. 12,000 is divided into two parts so that the simple interest on the first part for 3 years at 12% per annum may be equal to the simple interest on the second part for 4 ½ years at 16% per annum. The ratio of the first part to the second part is
(a) 2 : 1
(b) 1 : 2
(c) 2 : 3
(d) 3 : 2

Q21. A money lender claims to lend money at the rate of 10% per annum simple interest. However, he takes the interest in advance when he lends a sum for one year. At what interest rate does he lend the money actually?
(a) 10%
(b) $10\frac{1}{9}\%$
(c) 11%
(d) $11\frac{1}{9}\%$

Q22. A certain sum doubles in 7 years at simple interest. The same sum under the same interest rate will become 4 times in how many years.
(a) 14
(b) 28
(c) 21
(d) 10

Q23. On a certain sum the simple interest for 12 ½ year is ¾ of the sum. Then the rate of interest is:
(a) 5% per year
(b) 6% per year
(c) 7% per year
(d) 8% per year

Q24. A man borrows some amount at the rate of 12% per annum at simple interest. After 6 years 8 months, he paid Rs. 720 as an interest. Find the amount borrowed by him.
(a) Rs. 900
(b) Rs. 960
(c) Rs. 920
(d) Rs. 1620

Q25. The discount on a certain sum of money, due at the end of 2 ¼ years at 2⅔% p.a. is Rs. 78. Find the sum.
(a) Rs. 1,278
(b) Rs. 1,300
(c) Rs. 1,378
(d) Rs. 1,400

Q26. If the simple interest on Rs. 1 for 1 month is 1 paisa, then the rate percent per annum will be
(a) 10%
(b) 8%
(c) 12%
(d) 6%

Q27. A money lender lends Rs. 400 for 3 years to a person and lends Rs. 500 for 4 years to the other person at the same rate of simple interest. If altogether he receives Rs. 160 as interest, what is the rate of interest per annum
(a) 5%
(b) 7%
(c) 9%
(d) 10%

Q28. The simple interest on a certain sum of money at the rate of 5% per annum for 8 years is Rs. 840. Rate of interest for which the same amount of interest can be received on the same sum after 5 years is
(a) 7%
(b) 8%
(c) 9%
(d) 10%

Q29. If a sum of money doubles itself in 8 years, then the interest rate in percentage is?
(a) 8 ½ %
(b) 10%
(c) 10 ½ %
(d) 12 ½ %

Q30. Alipta got some amount of money from her father. In how many years will the ratio of the money and the interest obtained from it be 10:3 at 6% simple interest per annum?
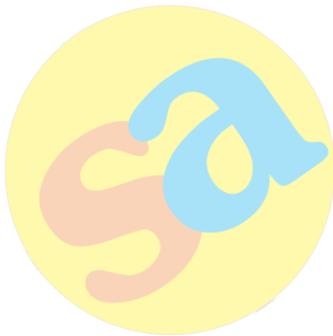(a) 7 years
(b) 3 years
(c) 5 years
(d) 4 years