

Q1. A Sum of money becomes $112/21$ times of itself in 26 year at R% of SI. What is the value of R?

- (a) $18\frac{2}{7}\%$
- (b) $16\frac{2}{3}\%$
- (c) $19\frac{3}{7}\%$
- (d) $14\frac{2}{7}\%$

Q2. The simple interest on a sum of money is $\frac{16}{63}$ of the sum. If the number of years is numerically $7/9$ times of rate percent per annum, then the rate percent per annum is

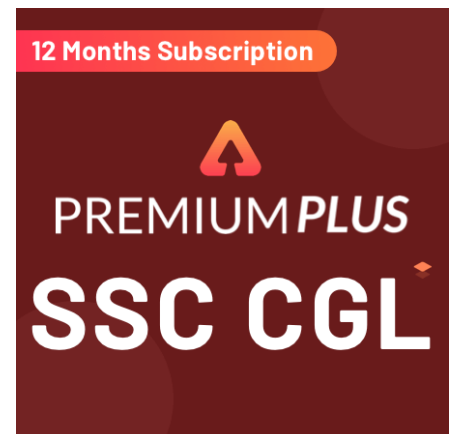
- (a) $7\frac{1}{2}\%$
- (b) $5\frac{4}{9}\%$
- (c) $5\frac{5}{7}\%$
- (d) $6\frac{2}{3}\%$

Q3. The difference between interest received by yogesh and shiwali is Rs 63 on Rs 16200 for 7 year. What is the difference in rate of interest?

- (a) $6\frac{2}{9}\%$
- (b) $5\frac{5}{9}\%$
- (c) $8\frac{5}{9}\%$
- (d) $7\frac{2}{9}\%$

Q4. A sum of money invested at simple interest 13 times itself in 19 Years. How many times will it become in 76 years?

- (a) 47
- (b) 48
- (c) 50
- (d) 49



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Q5. If the ratio of principal and amount after 17 years at simple interest become 15:23 and after 22 more years this ratio will become 18:41. Find the rate of simple interest?

- (a) 3.92%
- (b) 4.42%
- (c) 3.38%
- (d) 3.42%

Q6. In 2 years at simple interest the principal increases by 12%. What will be the compound interest earned (in Rs) on Rs 15 lakhs in 2 years at the same rate?

- (a) 96000
- (b) 18540
- (c) 90000
- (d) 18650

Q7. If the compound interest for the 3rd and 4th year on a certain principal is Rs 125 and Rs 135 respectively, what is the rate of interest (in %)?

- (a) 9
- (b) 10
- (c) 8
- (d) 12

Q8. Rate of interest on a sum of money is 4% pa for the first 2 years. 6% pa for the next 4 years & 8% pa for the period beyond 6 years. SI accrued by the sum for a total period of 9 years is Rs. 1120. What is the sum (in Rs.)?

- (a) 1750
- (b) 2000
- (c) 2333.33
- (d) 2100

Q9. A certain bank offers 8% rate of interest on the 1st year and 9% on the 2nd year in a certain fixed deposit scheme. If Rs 17,658 are received after investing for 2 years in this scheme, then what was the amount (in Rs) invested?

- (a) 16000
- (b) 15000
- (c) 15500
- (d) 16500

Q10. What is the difference (in Rs) in Compound interest earned in 1 year on a sum of Rs 25,000 at 20% per annum compounded semi-annually and annually?

- (a) 125
- (b) 250
- (c) 500
- (d) 375

Q11. Cost of 40 books is equal to the market price of 16 Book. If seller make 100% profit then find the discount percentage given by him to buyer.

- (a) 25%
- (b) $16\frac{2}{3}\%$
- (c) $33\frac{1}{3}\%$
- (d) 20%

Q12. Adda 247 launched two new test series and decided to sell them at same price. They got 23% loss on first type of test series and 56% profit on second type of test series calculate profit or gain on overall transaction in Rs, if selling price of each type of test series is 34534.5 .

- (a) 2081.5 profit
- (b) 2655.5 loss
- (c) 2635.8 Rs loss
- (d) 1905.5 profit

Q13. Priya sells his car for Rs 15.2 lakhs and makes some loss. If he had sold it for Rs 28.15 lakh,

his profit would have been $17\frac{11}{17}\%$ more than his loss. Find the sum of digits of x. (if x is the cost price of car)

- (a) 11
- (b) 7
- (c) 17
- (d) 9

Q14. A shopkeeper had 2500 kgs of rice. He sold a part of it at 17% profit and the rest at 13% profit, so that he made a total profit 14.26%. How much rice (in kgs) did he sell at 13% profit?

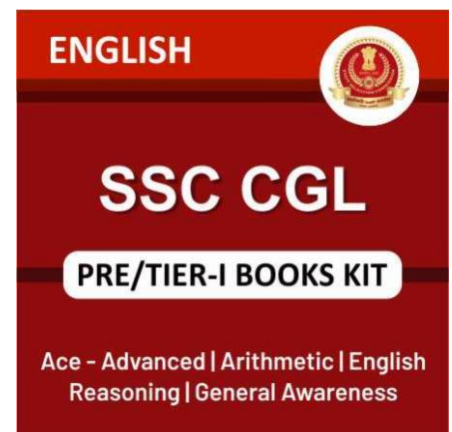
- (a) 264.5
- (b) 182.5
- (c) 162.5
- (d) 135.5

Q15. Apple sells its earphone to a retailer at a profit of 10% and the retailer sells it to a customer at a profit of 15%. If the customer pays Rs 2783 what had it cost (approximately) to the apple (in Indian rupees)?

- (a) 2175
- (b) 2200
- (c) 2283
- (d) 2275

Q16. Oil equal to 25% of the weight of ground nut is extracted in a mill. The matter left after extraction is sold as cattle feed at the rate of Rs 23.5/kg. The groundnuts are bought at Rs 45/kg. The processing cost is Rs 9/kg. At what price (Rs per kg) should the oil be sold to earn 23% profit on total costs (Total cost =Cost of groundnuts and Processing costs)?

- (a) 250.58
- (b) 198.97
- (c) 156.58
- (d) 195.18



Q17. On a certain item profit is 260%. If the cost price increases by 36% what will be the new profit margin (in %)?

- (a) 153.07
- (b) 105.70
- (c) 163.56
- (d) 164.7

Q18. A vendor buys bananas at 12 for Rs 13 and sells at 13 for Rs 12. What will be the result?

- (a) 25.1% loss
- (b) 17.36% profit
- (c) 14.79% loss
- (d) 16.6% loss

Q19. A vendor buys bananas at 19 for Rs 18 and sells at 18 for Rs 19. What will be the profit or loss (in %)?

- (a) 11.61% profit
- (b) 12.56% loss
- (c) 11.41% profit
- (d) 14.51% loss

Q20. A wholesaler had 540 dozens of mangoes. He sold some of these mangoes at 35% profit and the rest at 8% profit, so that he made 22% profit on selling all the mangoes. How many mangoes (in dozens) did he sell at 8% profit?

- (a) 230
- (b) 260
- (c) 390
- (d) 256

Q21. 12 l of water is added to a certain quantity of pure chocolate costing Rs. 6 / l. If by selling the mixture at the same price as before, a profit of 15% is made, then what is the amount of pure chocolate in the mixture?

- (a) 65 l
- (b) 80 l
- (c) 72 l
- (d) 68 l

Q22. The proportion of acid and water in three samples is 5 : 6, 7 : 5 and 4 : 7. A mixture containing equal quantities of all three samples is made. The ratio of water and acid in the mixture is :

- (a) 221 : 183
- (b) 445 : 233
- (c) 185 : 211
- (d) 183 : 221

Q23. A barrel contains a mixture of wine and water in the ratio 3 : 1. How much fraction of the mixture must be drawn off and substituted by water so that the ratio of wine and water in the resultant mixture in the barrel becomes 1 : 1 ?

- (a) 1/4
- (b) 1/3
- (c) 3/4
- (d) 2/3

Q24. Three mixtures of wine & water A, B and C are being stored in different containers. The percentage of the wine when A & B are mixed together is 57%. The percentage of wine when B and C are mixed together is 47%. If all the mixtures are mixed completely in one container & percentage of wine in A, B, & C is 43%, 61% & 45% respectively then find overall percentage of wine in the mixture?

- (A) 46.44%
- (B) 48.68%
- (C) 46.86%
- (D) 48.86%

Q25. Solution A contains 48% acid and solution B contains 93% acid. In what ratio should solution A be mixed with Solution B to obtain a mixture with 67% acid?

- (a) 19 : 21
- (b) 31 : 12
- (c) 26 : 19
- (d) 38 : 13

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