

SI & CI

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1.The simple interest on a sum of money will be Rs.600 after 10 years. If the principal is tripled after 5 years ,What will be the total interest at the end of the tenth years?

- 1) Rs.600
- 2) Rs.900
- 3) Rs.1200
- 4) Rs.1500
- 5) Rs.1000

**2. A sum of money (Rs. x) was invested for 8years in a scheme which offers S.I at a rate of 15% p.a. The amount received after 8 years was reinvested in the same scheme for the same period . If the amount received after reinvesting for the same period is Rs. 1536 more than Rs.x .What was the initial sum of money (Rs.x) invested in the scheme?**

- 1) Rs.500 2) Rs.1000 3) Rs.2000 4) Rs.400 5) Rs.800**

**3. Manoj took a certain sum as loan from bank at a rate of 9% simple interest per annum he lends the same amount to vidhya at 13% simple interest per annum. at the end of 4years manoj made a profit of Rs.1440 from the deal. How much did manoj take as loan from the bank?**

- 1) Rs.9000 2) Rs.10,000 3) Rs.8000 4) Rs.12,000 5) Rs.15,000**

**4. Raju invested a certain sum in the ratio 3:4 respectively in scheme A and B. Both the schemes offered 12% p.a simple interest. If at the end of three years, the interest received from scheme B was Rs.4680 less than the sum invested in scheme A. how much was invested in scheme A?**

**1)Rs.8000 2) Rs. 9000 3) Rs.7500 4) Rs.6000 5) Rs.7000**

**5. Ram invests a certain sum of money in Bank A for a period of 5 years and gets Rs. 3800 as simple interest. After that he withdraws the amount and invests it in Bank B for 10 years which provides double the rate of interest as provided by Bank A from Bank B. he gets Rs. 30,400 as simple interest .find the sum of money invested in Bank A?**

- 1) Rs. 3800 2) Rs.7600 3) Rs.15200 4) Rs.3000 5) Rs.7500**

**6. The simple interest accrued on an amount of Rs. 20000 at the end of 3 years is Rs. 7200. What would be the compound interest accrued on the same amount at the same rate in the same period?**

- 1) Rs. 8342.36 2) Rs. 8098.56 3) Rs. 8246.16 4) Rs. 8112.86 5) Rs. 8114.26**

**7. A man invested an amount at the rate of 10% p.a. on compound interest and after two years he again invested half of the initial amount. If man got Rs. 457.2 as interest after three years, find the amount received by man after three years, if he invested same amount on simple interest at rate of 15% p.a.?**

- 1) Rs. 1740 2) Rs. 1720 3) Rs. 1760 4) Rs. 1780 5) Rs. 1750**

**8. A sum of Rs 1000 after 3 years at compound interest becomes a certain amount that is equal to the amount that is the result of a 3 years depreciation from Rs. 1728. Find the difference between the rates of CI and depreciation. (Given that C.I is 10% p.a.) (approximately)**

- 1) 4% 2) 1 % 3) 3% 4) 2% 5) 5%**

**9. A man invested Rs. 8000 in a scheme giving 20% p.a. compound interest for two year if the interest received from this scheme is 400% more than the interest on some other amount from another scheme giving 8% S.I. for 4 year. Find the total amount invested in both schemes.**

- 1) Rs. 11200 2) Rs. 10200 3) Rs. 12200 4) Rs. 10400 5) Rs. 10600**

**10. A person invested in scheme A at X% per annum at SI for 5 years and in scheme B at 10% per annum for 2 years at CI. If the amount invested in both schemes are in the ratio of 2 : 5 (A : B) and the total interest received from both the schemes is 35% of the total amount invested together in both the schemes then find value of X ?**

- 1) 14%
- 2) 16%
- 3) 21%
- 4) 28%
- 5) 35%

11. A certain sum is invested for 2 years in scheme A at 20% p.a compounded interest (compounded annually) same sum is also invested for the same period in scheme B at x% p.a. Simple interest . Interest earned from scheme A is twice of that earned from scheme B. What is the value of ‘x’?

- 1) 3
- 2) 7
- 3) 11
- 4) 13
- 5) 16

**12. The compound interest (compounded annually) on Rs. R for 2 years @ 20 p.c.p.a Rs.1716. What would be the simple interest on Rs. R+1400 for 3 years @ 14 p.c.p.a?**

- 1) Rs.2310 2) Rs.2226 3) Rs.2058 4) Rs.2042 5) Rs. 2036**

**13. Chandu took a loan of Rs. 15000 from Hari. It was agreed that for the first three years rate of interest charged would be at 8% simple interest per annum and at 10% compound interest (compounded annually) from the fourth year onwards. Chandu did not pay any thing until the end of the fifth year. How much would he repay if he clears the entire amount, only at the end of fifth year ?**

**1) Rs.22506 2) Rs.22900 3) Rs.22105 4) Rs. 22500 5) Rs. 22705**

**14. Madhu invested a certain sum in scheme A, which offers simple interest 9% p.a for 2 years. She also invested Rs.3600 in scheme B . which offers compound interest (compounded annually) 10% p.a for 2 years . If she received equal interest from both the schemes. What sum did she invest in scheme A?**

- 1) Rs.4000 2) Rs.4200 3) Rs.4400 4) Rs.4600 5) Rs. 3600**

**15. Rs.10,000 is invested in two parts, 1st part at 10% p.a and 2nd part at 20% p.a both compound interest. At the end of 2 years, total amount received was Rs.13250. What is the amount invested at 10% p.a?**

- 1) Rs.5000 2) Rs.4000 3) Rs.3000 4) Rs. 2400 5) Rs. 6400**

**16. Vijay invested Rs. P for 3 years in scheme A which offered 12% p.a simple interest. He also invested Rs. $P+400$  in scheme B which offered 10% compound interest (compounded annually) for 2 years. If the amount received from scheme A was less than that received from scheme B by Rs.304. What is value of P?**

- 1) Rs.900 2) Rs.1500 3) Rs.1000 4) Rs.1200 5) Rs. 2000**

17. The interest received on Rs.4400 when invested for 4 years in scheme A is equal to the interest received on Rs.3600. When invested in scheme B for 2 years scheme A offers simple interest at ‘x’ (p.c.p.a) and scheme B offers compound interest at 20% p.a. What will be the amount received on Rs.4000 when invested for 4 years in scheme C offering simple interest @  $(x + 6)\%$  p.a ?

- 1) Rs. 6800 2) Rs. 5600 3) Rs. 4800 4) Rs. 6400 5) Rs. 5000

18. Rs.2100 when invested in scheme A offering  $x\%$  compound interest (compounded annually) for a period of 2 years amounts to Rs.2541. P when invested for 2 years in scheme B offering simple interest at  $(x + 5)\%$  p.a earns an interest of Rs.1350. What is the value of P?

- 1) Rs. 3000
- 2) Rs. 4500
- 3) Rs. 3600
- 4) Rs. 6000
- 5) Rs. 7200