

SIMPLE INTEREST AND COMPOUND INTEREST

1. What would be the simple interest accrued in 4 yr on a principle of Rs. 18440 at the rate 15% per annum?

- (a) Rs. 11075 (b) Rs. 12250 (c) Rs. 11500 (d) None of the above

2. What will be the simple interest on Rs. 4000 at $12\frac{1}{4}\%$ per annum for the period from 4th February, 2005 to 18th April, 2005?

- (a) Rs. 215 (b) Rs. 120 (c) Rs. 200 (d) Rs. 100

3. Rakesh lent out Rs. 8750 at 7% annual interest. Find the simple interest in 3 yr.

- (a) Rs. 1870 (b) Rs. 1837.50 (c) Rs. 1560 (d) Rs. 2200

4. What will be simple interest for 1 yr and 4 months on a sum of Rs. 25800 at the rate of 14% per annum?

- (a) Rs. 4816 (b) Rs. 2580 (c) Rs. 4816.75 (d) Rs. 4815

5. A sum at simple interest of $13\frac{1}{2}\%$ per annum amounts to Rs. 3080 in 4 yr. Find the sum.

- (a) Rs. 1550 (b) Rs. 1680 (c) Rs. 2000 (d) Rs. 1850

6. The sum which amounts to Rs. 364.80 in 8 yr at 3.5% simple interest per annum is

- (a) Rs. 285 (b) Rs. 280 (c) Rs. 275 (d) Rs. 270

7. A sum of Rs. 2668 amounts to Rs. 4669 in 5 yr at the rate of simple interest. Find the rate per cent.

- (a) 15.2% (b) 14.9% (c) 16% (d) 15%

8. Find the difference in amount and principal for Rs. 4000 at the rate of 5% annual interest in 4 yr.

- (a) Rs. 865.50 (b) Rs. 865 (c) Rs. 400 (d) Rs. 800

9. At the rate of $8\frac{1}{2}\%$ per annum simple interest, a sum of Rs. 5800 will earn how much interest in 2 yr 3 months?

- (a) Rs. 1300 (b) Rs. 1109 (c) Rs. 1509 (d) Rs. 1725

10. Kriya deposits an amount of Rs. 65800 to obtain a simple interest at the rate of 14% per annum for 4 yr. What total amount will Kriya get at the end of 4 yr?

- (a) Rs. 102648 (b) Rs. 115246 (c) Rs. 125578 (d) Rs. 110324

11. A sum becomes its double in 10 yr. Find the annual rate of simple interest.
 (a) 1% (b) 5% (c) 10% (d) 20%
12. A certain sum becomes 3 fold at 4% annual rate of interest. At what rate, it will become 6 fold?
 (a) 10% (b) 12% (c) 8% (d) 9%
13. In a certain time, a sum becomes 4 times at the rate of 5% per annum. At what rate of simple interest, the same sum becomes 8 times in the same duration?
 (a) $12\frac{2}{3}\%$ (b) $11\frac{3}{5}\%$ (c) $11\frac{2}{3}\%$ (d) $12\frac{3}{5}\%$
14. In what time, does a sum of money become four fold at the simple interest rate of 10% per annum?
 (a) 40 yr (b) 30 yr (c) 15 yr (d) 25 yr
15. How long will a sum of money invested at 5% per annum SI take to increase its value by 50%?
 (a) 10 yr (b) 12 yr (c) 15 yr (d) 7 yr
16. What will be the compound interest on a sum of Rs. 50000 after 3 yr at the rate of 12% pa?
 (a) Rs. 80000 (b) Rs. 70246.40 (c) Rs. 20246.40 (d) Rs. 70000
17. A sum amounts to Rs. 1352 in 2 yr at 4% compound interest. The sum is
 (a) Rs. 1250 (b) Rs. 1200 (c) Rs. 1300 (d) Rs. 1260
18. The compound interest on Rs. 30000 at 7% pa for a certain time is Rs. 4347. The time is
 (a) 2 yr (b) 2.5 yr (c) 3 yr (d) 4 yr
19. The population of a city increases at the rate of 5% pa. If the present population of the city is 185220, then what was its population 3 yr ago?
 (a) 181500 (b) 183433 (c) 160000 (d) 127783
20. The compound interest on a sum of Rs. 4000 becomes Rs. 630.50 in 9 months. Find the rate of interest, if interest is compounded quarterly
 (a) 20% (b) 23% (c) 19% (d) 21%
21. At what rate of interest will a sum increase by 40 % in 2 years under SI?
 (a) 7.5% (b) 15.0% (c) 20% (d) 22.5%
22. What will be the compound interest accrued on an amount of Rs 16500 for 2 years at 14 % pa compounded annually.
 (a) Rs 4943.40 (b) Rs4934.40 (c) Rs4439.40 (d) Rs4834.40

23. Rs.8000 becomes Rs.9261 in a certain interval of time at the rate of 5% per annum of C.I. compounded annually, find the time?

- (a) 2 years (b) 3 years (c) 4 years (d) 5 years

24. Find the C.I. on a sum of Rs.1600 for 9 months at 20% per annum, interest being compounded quarterly ?

- (a) Rs 253.4 (b) Rs 225.5 (c) Rs 225.2 (d) Rs 252.2

25. A sum of money placed at compound interest doubles itself in 4 years. In how many years will it amount to eight times itself?

- (a) 12 years (b) 13 years (c) 14 years (d) 15 years

26. Find the compound interest on a principal amount of Rs.5000 after 2 years, if the rate of interest for the 1st year is 2% and for the 2nd year it is 4%?

- (a) Rs 304 (b) Rs 305 (c) Rs 430 (d) Rs 340

27. If the Simple interest & compound interest on a certain sum of money at the same rate of interest for 2 years are Rs 50 & Rs 51 respectively, find the sum?

- (a) Rs 350 (b) Rs 400 (c) Rs 625 (d) Rs 728

28. Mr. X invested an amount for 2 years at 15 percent per annum at simple interest. Had the interest been compounded annually, he would have earned Rs. 450/- more as interest. Find the simple interest earned on that amount, if it were invested for 4 years at the given interest rate?

- (a) Rs 12000 (b) Rs 13250 (c) Rs 15000 (d) Rs 16500

29. A sum of Rs. 8000 is borrowed at 5% p.a. compounded interest and paid back in 3 equal annual instalments. What is the amount of each instalment?

- (a) Rs 2379.67 (b) Rs 2239.67 (c) Rs 2937.67 (d) Rs 2739.67

30. If a principal, P becomes Q in 2 years when interest R% is compounded half-yearly. And if the same principal P becomes Q in 2 years when interest S% is compounded annually, then which of the following is true?

- (a) $R > S$ (b) $R = S$ (c) $R < S$ (d) None of these