SIMPLE & COMPOUND INTEREST

1. A Certain sum of money amounts to Rs 2500 in a span Of 5 years and further to Rs.3000 in a span of 7 years at simple interest The sum is_____

2. Ramakant wants to earn Rs. 1,500 interest on his deposits. He plans to buy a sack of grains with the interest. He puts Rs. 5,000 into his account that earns 2.5% interest. How long will he need to leave his money in the account to earn this interest that would help him buy the sack of grains?

3. Alok deposits Rs.5,000 in his bank account for 5 years to earn an interest of 12%. what amount will he get after 5 years?

4. Reena took a loan of Rs. 1200 with simple interest for as many years as the rate of interest. If she paid Rs. 432 as interest at the end of the loan period, what was the rate of interest?

5. An automobile financier claims to be lending money at simple interest, but he includes the interest every six months for calculating the principal. If he is charging an interest of 10%, the effective rate of interest becomes:

6. A lent Rs. 5000 to B for 2 years and Rs. 3000 to C for 4 years on simple interest at the same rate of interest and received Rs. 2200 in all from both of them as interest. The rate of interest per annum is:

7. A man took loan from a bank at the rate of 12% p.a. simple interest. After 3 years he had to pay Rs. 5400 interest only for the period. The principal amount borrowed by him was:

8. A person borrows Rs. 5000 for 2 years at 4% p.a. simple interest. He immediately lends it to another person at 6% p.a for 2 years. Find his gain in the transaction per year.

9. The difference between simple and compound interests compounded annually on a certain sum of money for 2 years at 4% per annum is Re. 1. The sum (in Rs.) is:

10. There is 60% increase in an amount in 6 years at simple interest. What will be the compound interest of Rs. 12,000 after 3 years at the same rate?

11. The compound interest on Rs. 30,000 at 7% per annum is Rs. 4347. The period (in years) is

12. The difference in the simple interest and compound interest on a principal of Rs. 10,00,000 in 3 years at 4% per annum is:

13. Simple interest on an amount at 4% per annum for 13 months is more than the simple interest on the same sum for 8 months at 6% per annum by Rs. 40. What is the principal amount
a) Rs. 1,600   b) Option invisible   c) Rs. 24,000   d) Rs. 12,000

14. Sangeetha invested Rs. 20,000 at 8% per annum. If the compounded half yearly, then total interest earned by Sangeetha at the end of the year is:
a) 1,632   b) 1,600   c) 1,800   d) 1,475

15. a, b and c are such that b is the simple interest on a and c is the simple interest on b for the same period and same rate of interest. The relation between these three is
a) $a^2 = b c$ b) $c^2 = a b$ c) $b^2 = a c$ d) $a = b = c$

16. A bank advertises that you can double the money by investing it with them for 8 years. What is the interest rate offered by them?
    a) 12.50%   b) 10%   c) 8.50%   d) 14%

17. The simple interest earned on a certain amount is double the money when invested for 15 years. What interest rate is offered?
    a) 26.66%   b) 12%   c) 30%   d) 13.33%

18. Three successive discounts of 6%, 10%, 15% are equal to a single discount of 25%
    a) 28.90%   b) 30%   c) 31%   d) 28.09%

19. Sangeeta invested Rs. 20.000 at 8% per annum_ If the interest is compounded half yearly, then total interest earned by Sangeeta at the end of the year is:
    a) Rs. 1,632   b) Rs 1,600   c) Rs 1,800   d) Rs. 1,475

20. Simple interest on an amount at 4% per annum for 13 months is more than the simple interest on the same sum for 8 months at 6% per annum by Rs. 40. What is the principal amount?
    a) Rs. 3,600   b) Rs. 12,000   c) Rs. 4,800   d) Rs. 24,000

21. Given that the interest is only earned on principal. if an investment of Rs_ 1000.00 amounts to Rs. 1440.00 in two years. Then what is the rate of interest earned?
    a) 20%   b) 22%   c) 21%   d) 11%

22. A man deposits Rs. 5000 in his bank account for 5 years to earn an interest of 12%. What amount will he get after 5 years
    a) 2000   b) 3000   c) 5300   d) 8000

23. Given that the interest is only earned on principal, if an investment of Rs. 1000 amounts to Rs.1440 in 2 years, then what is the rate of interest earned?
    a) 20   b) 22   c) 21   d) 11

24. A certain sum of money amounts to Rs.2500 in a span of 5years and further to Rs.3000 in a span of 7 years at SI. Find the sum?
    a) 1000   b) 1200   c) 1050   d) 1250

25. The difference between compound interest and simple interest on a certain sum for 2 years at 10 % is Rs. 25. Find the sum ?
    a) 2000   b) 2150   c) 2500   d) 2750