Compound Interest (Set 1)

1. What will be the compound Interest on a Sum of Rs. 50000 after 3 years at the rate of 12% pa?
2. Nandana invested an amount of Rs 8000 in a fixed deposit for 2 years at the rate of 5% pa compound interest. How much amount she received after maturity of FD?
3. A sum amounts to Rs. 1352 in 2 yrs at 4% CI. Find the sum.
4. Raja invested R. 15000 at the rate of 10% pa CI for 1 yr. If the interest is compounded half yearly, then find the amount received by Raja at the end of the year?
5. What will be the present worth of Rs.16 9 due to in 2 yrs at 4% pa compound interest?
6. Find the CI on Rs. 312650 at 16% pa compounded quarterly for the month of 9
7. What amount will be received on a sum of Rs.1750 in 2 ½ yr, if the interest is compounded at a rate of 8% pa?
8. What amount would be received for the sum of Rs. 15000 in 1 ¼ years at 12% pa. If the interest compounded quarterly.
9. The CI on Rs.30000 at 7% pa for a certain time is Rs. 4347. Find the required time.
10. 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.
11. The population of a city increased at the rate of 5% pa. If the present population of the city is 185220. Then what is the population 3 yrs ago.
12. The population of a country is 10 crore and it is the possibility that the population will become 13.31 crore in 3 yrs. What is the annual rate percent on this growth?
13. A sum of Rs. 400 amounts to Rs.441 in 2 yrs. What will be its amount, if the rate of interest increased by 5%?
14. The CP of an LED TV set is Rs. 100000. If its price value depreciates at the rate of 10% pa, then what will be the price at the end of 3 yrs.
15. Income of Shantanu was Rs. 4000. In the first 2 yr, his income decreased by 10% and 5% respectively but in the third year, the income increased by 15%. What was his income at the end of third year?

Answer

1) Rs. 20246.40
2) Rs. 8820
3) Rs. 1250
4) Rs. 16537.50
5) Rs. 156.25
6) Rs. 3902
7) . Rs. 2122.85
8) Rs. 17389.12 (Approx)
9) 2 yrs
10) 20%
11) Rs. 160000
12) 10%
13) Rs. 484
14) Rs. 72900
15) Rs 3933