Subject: - Mathematics **PRACTICE PAPER** **CBSE-8th**

Topic: - Compound Interest

1. Find the compound interest on ₹8000 for $1\frac{1}{2}$ years at 10% per annum, Interest being payable half yearly? **Ans. ₹1,261**
2. Find the C.I. on ₹10,000 for a year at 20% per annum compounded quarterly? **Ans. ₹2,155.06**
3. Vijay obtains a loan of ₹64,000 against his fixed deposits. If the rate of interest be 2.5 paisa per rupee per annum, calculate the C.I. payable after 3 years? **Ans. ₹4,921**
4. Simple interest on a sum of money for three years at $6\frac{1}{4}$ % per annum is ₹2,400. What will be the C.I. on that sum at the same rate for the same period? **Ans. ₹2,553.13**
5. Ramesh deposited ₹7,500 in a bank which pays him 12% interest per annum compounded quarterly. What is the amount he receives after 9 months? **Ans. ₹8,195.45**
6. What will ₹1,25,000 amounts to @ 6%, if the interest is calculated after every 4 months? **Ans. ₹1,32,651**
7. The difference between the C.I. and S.I. on the certain sum of money at 10% per annum for two years is ₹500. Find the sum when the interest is compounded annually? **Ans. ₹50,000**
8. At what rate percent per annum, C.I. will ₹10,000 amounts to ₹13,310 in three years. **Ans. R = 10%**
9. Ishita invested a sum of ₹12,000 at 5% per annum compound interest. She received an amount of ₹13,230 after n years. Find the value of n. **Ans. $n = 2$**
10. 10,000 workers were employed to construct a river bridge in 4 years. At the end of first year, 10% workers were retrenched. At the end of the second year, 5% of the workers at that time were retrenched. However, to complete the project in time, the number of workers was increased by 10% at the end of the third year. How many workers were working during the fourth year? **Ans. 9,405**
11. The population of the certain city was 72,000 on the last day of the year 1998. During next year it increased by 7% but due to an epidemic it decreased by 10% in the following year. What was its population at the end of the year 2000? **Ans. 69,336**
12. The present price of the scooter is ₹7,290. If its value decreases every year by 10%, then find its value before three years? **Ans. ₹10,000**