**JESUS AND MARY SCHOOL AND COLLEGE**

**CLASS-9 ( MATHS )**

**CHAPTER NAME – COMPOUND INTEREST**

**WORKSHEET -1**

**Q.1- Choose the correct options:-**

 i) The compound interest on ₹ 1000 at 10% p.a. compounded annually for 2 years is-

 a) ₹ 190 b) ₹ 200 c) ₹ 210 d) ₹ 1210

 ii) If Sukriti borrows ₹ 8000 for two years at the rate of 10% per annum compound interest, then

 the amount to be paid by her at the end of two years to clear the debt is-

 a) ₹ 8800 b) ₹ 9600 c) ₹ 9680 d) ₹ 102400

 iii) If a man invests ₹ 12000 for two years at the rate of 10% per annum compound interest, then

 the compound interest earned by him at the end of two years is-

 a) ₹ 2400 b) ₹ 2520 c) ₹ 2000 d) ₹ 1800

 iv) The compound interest on ₹ 5000 at 20% per annum for $1\frac{1}{2}$ years compounded half-yearly is-

 a) ₹ 6655 b) ₹ 1655 c) ₹ 1500 d) ₹ 1565

 v) If the number of conversion periods $\geq $ 2, then the compound interest is-

 a) less than the simple interest b) equal to simple interest

 c) greater than or equal to simple interest d) greater than simple interest

**Q.2-** Find the amount and compound interest on ₹ 8000 at 5% per annum for 2 years.

**Q.3-** Calculate the compound interest for the second year on ₹ 8000 invested for 3 years at

 10% p.a.

**Q.4-** Ramesh invests ₹ 12800 for three years at the rate of 10% per annum compound

 interest. Find :

 i) the sum due to Ramesh at the end of first year

 ii) the interest he earns for the second year

 iii) the total amount due to him at the end of three years

**Q.5-** Mr. Lalit invested ₹ 5000 at a certain rate of interest, compounded annually for two years.

 At the end of first year it amounts to ₹ 5325. Calculate-

 i) the rate of interest

 ii) the amount at the end of second year, to the nearest rupee.

**Q.6-** Find the amount and the compound interest on ₹ 2000 at 10% p.a. for $2\frac{1}{2}$ years,

 compounded annually.

**Q.7-** Calculate the amount and the compound interest on ₹ 17000 in 3 years when the rate of

 interest for successive years is 10%, 10% and 14% respectively.

**Note**- **Please do this assignment in your old copies. It will be checked when the school re-opens.**

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