ATOMIC ENERGY EDUCATION SOCIETY, MUMBAI

CLASS -8   SUBJECT:- MATHEMATICS

CHAPTER 8 :- COMPAIRING QUANTITIES

MODULE 3/3(worksheet)

OBTAINED MARKS   MAXIMUM MARKS 30=3×10

I.   A sum of ₹ 20000 is borrowed at the rate of 10% per annum for 2 years find the compound interest on the sum and the amount to be paid at the end of 2 years.

II.   Shabnam father has kept some money in the post office for 3 years if the money is ₹ 15000 and the rate of interest is 5% per annum then find the money and the end of three years

III. Find CI paid when a sum of ₹ 5000 is invested for 1 year and 3 months at 7.5 % per annum compounded annually.

IV.   The population of a City were 30,000 in the year 2007 it increased at the rate of 7% per annum find the population at the end of year 2009 .

V.   A laptop bought at price ₹ 42000 after 1 year the value of the laptop was depreciated by 8% find the value of the laptop after 2 year.

VI.   Nagma borrowed 20400 from a bank to buy fridge at a rate of 12% p.a. compounded yearly. When amount will she pay at the end of 2 year and 4 months to clear the loan.

VII.   Ramdas Vasudevan invested rupees 50000 interest rate of 10% per annum compounded half yearly what amount would he get

    a. After 6 months

    b. After 1 year

VIII.   Sameer deposit ₹ 3000 from a bank if the rate of interest is 10% per annum. Find the difference in amounts he would be paying after one and half years if the interest rate is compounded annually, compounded half yearly.

IX.   find the amount and the compound compound interest on ₹ 12000 for one and half year at the rate of 12% per annum compounded half yearly. Would this interest be more than the interest he would get if it was compounded annually.

X.   If the coronavirus infected 80000 person yet if the rate of increase is 1% weekly find the total infected people after 15 days.