ICSE Mathematics Question paper

Test No – 2

Total Marks : 50   **Duration :** $2\frac{1}{2}$ **hours**

Answers to this Paper must be written on the paper provided separately.

This time is to be spent in reading the Question Paper.

The time given at the head of this Paper is the time allowed for writing the answers.

SECTION I   (10 x 4 = 40 Marks)

Attempt all questions from this Section

1. Find amount and compound interest on Rs.8000 at 5% per annum for 2 years.

2.Calculate the compound interest for the second year on Rs.8000 invested for 3 years at 10% p.a. Also find sum due at the end of third year?

3.A man invests Rs.5000 for three years at a certain rate of interest, compounded annually. At the end of one year it amounts to rs.5600.Calculate:

(i)The rate of interest per annum.(ii)The interest accrued in the second year.

(iii)The amount at the end of the third year.

4. Find the amount and the compound interest on Rs.50000 for $1\frac{1}{2}$ years at 8% per annum, the interest being compounded Half yearly.

5.Kiran invest Rs.8000 for 2years at a certain rate of interest, compounded annually. At the end of one year, this sum amounts to Rs.8960.Calculate:

(i) The rate of interest per annum.(ii)The amount due at the end of second year.(iii)The compound interest earned in 2 years.

6.Calculate the amount due and the compound interest on Rs.37500 for 2years when the rate of interest on successive years is 8% and 9% respectively.

7.Mr.Dubey borrows Rs.100000 from state bank of India at 11% per annum compound interest. He repay Rs.41000 at the end of first year and Rs.47700 at end of second year. Find he amount outstanding at the beginning of the third year.

8.Vikram borrowed Rs.20000 from a bank at 10% per annum simple interest. He lend it to his friend venkat at the same rate but compounded annually.

9. Find the difference between C.I and S.I on sum of Rs.4800 for two years at 5% per annum payable yearly.

10.At what rate of percent per annum Rs.2000 amount to RS.2315.15 in 3years at compound interest?

SECTION II   (8 x 5 = 40 Marks)

Attempt all questions from this Section

11. In what time will Rs.15625 amount to Rs.17576 at 4% per annum compound interest?

12. Find the time(in years) in which Rs.12500 will produce Rs.3246.40 as compound interest at 8% per annum, interest compounded annually.

13. What sum will amount to Rs.2782.50 in 2 years , if the rates are 5% and 6% for the successive years?

14. A certain sum of money is invested at the rate of 5% per annum compound interest ,the interest compounded annually. If the difference between the interest of the third year and first year is Rs.102.50. Find the sum.

15. On certain sum of money, the difference between the compound interest for a year, payable half-yearly, and the simple interest for a year is Rs.180. Find the sum lent out, if the rate of interest in both cases is 10%