GIRLS' HIGH SCHOOL AND COLLEGE PRAYAGRAJ

WORKSHEET - 2

SESSION : 2020-21

CLASS - IX A, B, C, D, E, F

SUBJECT: MATHEMATICS

INSTRUCTIONS : Students should refer to books related to class 6, 7, 8 for reference and also the following websites :" www.extramarks.com " and "www.topperlearning.com"

Note : 1. Concise MATHEMATICS I.C.S.E. Class -IX By R.K. Bansal

2. Understanding I.C.S.E. MATHEMATICS class -IX By M.L. Aggarwal

TOPIC : COMPOUND INTEREST (without using formula)

Question 1- Calculate the difference between the compound interest and the simple interest on Rs 12000 at 9% per annum in 2 years.

Question 2- Calculate the amount due and the compound interest on Rs 7500 in 2 years when the rate of interest on successive years is 8% and 10% respectively.

Question 3- Calculate the compound interest for the second year on Rs 8000 invested for 3 years at 10% per annum. Also find the sum due at the end of 3rd year.

Question 4- A man borrows Rs 6000 at 5% compound interest. If he repays Rs 1200 at the end of each year, find the amount outstanding at the beginning of third year.

Question 5- A certain sum amounts to Rs 5292 in 2 years and to Rs 5556.60 in 3 years at compound interest. Find the rate and the sum.

GROWTH AND DEPRECIATION

Question 6- The present population of a town is 48000. It is increasing at the rate of 5% every year. What will be the increase in population in next 3 years?

Question 7- The present population of a village is 5408. If it has increased at the rate of 4% every year, what was its population two years ago?

Question 8- The value of a car depreciates by 12.5% every year. By what percent will the value of the car decrease after 3 years?

Question 9- In a factory, the production of motorbikes rose to 23328 from 20000 in 2 years. Find the rate of growth of the production of motorbikes.

Question 10- The population of a village 2 years ago was 6250. Due to migration to cities, it decreases at the rate of 8% every year. Find the decrease in its population in the last 2 years.

The End