



TEST PAPER: MATHEMATICS

Time: 60 Minutes

Class: 9th I.C.S.E.

Max. Marks: 30 Marks

Date: 30th May, 2018

Marking Scheme: Three questions carry 10 marks each. Questions have 3 subparts each. Subparts (a) and (b) carry 3 marks each and subpart (c) carries 4 marks.

Question 1:

1. Find the compound interest on \$5000 for 3 years at 8% per annum, compounded annually.
2. Find the amount on \$10000 for 1 year at 10% per annum, compounded half-yearly.
3. Divide \$1750 into two part so that simple interest on the first when deposited for 2 years at 15% per annum and that on the second when deposited for 3 years at 16% per annum in a bank add to give the total interest of \$624.

Question 2:

1. A sum of \$ 4,000 is invested at 8% compound interest for the first year and 10% for the second year. Find the amount after 2 years.
2. Sally took a loan of \$ 850 from Rita for 3 years at 10 % per annum. After 3 years Sally paid back the loan by giving \$ 900 in cash and a new watch. What was the price of the new watch?
3. The population of a village increases by 10% every year. If the present population is 6000, what will be the population of the village after 3 years?

Question 3:

1. Find the compound interest and the amount on \$ 5,000 at the annual interest rate of 8% for 2 years without using formula.
2. Calculate the compound interest on \$ 60,000 for 1 year, at 8% per annum, compounded half-yearly.
3. The price of a machine depreciates by 10% every year. If the machine is bought for \$ 18000 and sold after 3 years, what price will it fetch?