Mar Thoma Residential School, Tiruvalla

First Term Assessment 2020

Std : 8   Computer Applications   Time : 30 mins

Marks : 20

1) What is an algorithm ?   [1]

2) Write an algorithm to accept two numbers . Find the sum and product of two numbers .   [2]

3) Accept the name and mark obtained by a student . Write an algorithm to display the grade
   as per the table given below: [3]

Marks obtained	Grade
75% or more	A
60 % or more but less than 75%	B
40% or more but less than 60%	C
Less than 40%	D

4) Distinguish between Compiler and Interpreter ?   [2]

5) What is Byte Code ?   [1]

6) What are the different types of literals ? Explain .   [4]

7) Distinguish between Explicit and Implicit type conversions ?   [2]

8) Write down the functions for the following :   [1]
   a) To find the square root of a number.
   b) To find the exponent of a number.

9) What will be result of the following :   [3]
   a) Math.ceil(-5.3);
   b) Math.floor(8.6);
   c) Math.round(-3.1);

10) Write down the **return** type of the following functions: [1]
   a) Math.round();
   b) Math.sqrt();