Second Self-Assessment Test   Date: 07/08/2020

Std.7   Computer   Full Marks: 20   Time: 45 minutes

1) Fill in the blanks: (8 Marks)
   a) 2^0 = ………………
   b) The binary number system is written with ………………. as a base.
   c) The decimal number system uses the digit from ………………. to ………………
   d) The base of decimal number system is written as ………………………
   e) In a decimal to binary conversion, the first remainder is known as ………………. and the last remainder is ………………………..
   f) A computer performs all the operations in …………………….. form.

2) Convert the following into their binary equivalents: (6 Marks)

   a) $(123)_{10}$ b) $(144)_{10}$ c) $(224)_{10}$

3) Convert the following into their decimal equivalents: (6 Marks)

   a) $(1010011)_2$ b) $(10101010)_2$ c) $(100100)_2$