II B.Tech (CSE)-CO-Unit 1-Assignment test 4 on dt.3.1.18

1 a) What is a computer? Draw a block diagram to illustrate the basic organization of a computer
   system and explain the functions of various units.

   b) *Summarize the Operations of a computer.*

2 a) What is a bus? How the maximum accessible system memory depends on the bus?

   b).For a given system , the number of address lines and data lines are 20 and

   16 respectively. What is the maximum main memory that the system can have?

3 a) Give the sequence of steps involved to transfer data between memory and processor.

   b) What are the important Registers of CPU ? Give the main functions of each.

4 .Answer the following in a line or two.

a) What is a VonNeumann Machine.?

   b) Explain the concept of stored Program.

   c) Give one advantage and one disadvantage of using a single BUS system.

   d) Why to use Processor Registers?

   e) How are the functional units are connected?

   f) What is a system Clock?

   g) Give examples for Dynamic memory and Static memory.

   h) Which is the shortest and fastest memory?

   i)What is a micro-instruction?