Code: CS1T6

I B.Tech - I Semester – Regular / Supplementary Examinations
November 2018

INTRODUCTION TO COMPUTERS
(COMPUTER SCIENCE AND ENGINEERING)

Duration: 3 hours   Max. Marks: 70

PART – A

Answer *all* the questions.   All questions carry equal marks
$$11x\ 2 = 22\ M$$

1.

   a) List out the various applications of computer.

   b) Write a short notes on handheld devices.

   c) Define system software and application software and give examples for each.

   d) Explain working principle of cache memory.

   e) Define the term pseudo code with an example.

   f) Explain the main purpose of an operating system?

   g) Explain the three data transmission modes.

   h) List out different types of connecting media used in Computer Networking.

   i) Explain in detail about internet services.

   j) Define Distributed Networking.

   k) Write a short note on Bluetooth.

PART B

Answer Any ***THREE*** the questions. All questions carry equal marks

$$3 \times 16 = 48 \text{ M}$$

2. a) Discuss various types of computers in detail.   8 M

    b) Explain about different types of output devices.   8 M

3. a) Describe the basic processor architecture of a computer.
                                                              10 M

    b) Write a short note on Magnetic Tape.   6 M

4. a) Explain in brief about the Evolution of Operating System.
                                                              10 M

    b) Compare various generations of the programming
      languages.   6 M

5. a) Explain various network topologies present in computer
      network.   8 M

    b) Explain in detail about data routing techniques.   8 M

6. a) Explain in detail about peer to peer computing.   8 M

    b) Write a short note on Artificial intelligence.   8 M