

Code: CS1T6

I B.Tech - I Semester – Regular Examinations – November 2015

**INTRODUCTION TO COMPUTERS
(COMPUTER SCIENCE & ENGINEERING)**

Duration: 3 hours

Max. Marks: 70

PART – A

Answer *all* the questions. All questions carry equal marks

11 x 2 = 22 M

1. a) What is the use of computer organization?
- b) Define Hard copy and Soft copy.
- c) What is the difference between primary memory and secondary memory?
- d) Determine the functionality of processor in computer.
- e) How is control structures used in programming?
- f) Name any three high-level languages and describe their original usage.
- g) What is computer network? List the different types of computer networks.
- h) What is internet glossary?
- i) Explain about on-demand computing.
- j) How does computing concept work on distributed network?
- k) What is connecting media in computer networks?

PART – B

Answer any **THREE** questions. All questions carry equal marks. 3 x 16 = 48 M

2. a) Explain in brief about various generations of computers. 12 M
- b) Write short notes on output devices. 4 M
3. a) Explain about Processor architecture in detail. 8 M
- b) Discuss on computer software that provides services to software applications. 4 M
- c) Write short notes on Mass storage devices. 4 M
4. a) What are the basic functions of operating system? 4 M
- b) Explain the importance of pseudo code. 4 M
- c) Write short notes on 8 M
i) Algorithm ii) Flowchart
5. a) Explain the different modes of data transmission in computer networks. 10 M
- b) What are the different types of Internet connections available? 6 M

6. a) What is the importance of Artificial intelligence in computer science? 8 M
- b) What is wireless network? Explain its significance in emerging technologies. 8 M