

Code: CS1T6

**I B.Tech - I Semester – Regular / Supplementary Examinations
November 2017**

**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) What are the applications of computers?
- b) Differentiate between Microcomputer and Minicomputer.
- c) Define the term middleware.
- d) Write about CPU register.
- e) Differentiate between CUI and GUI operating systems.
- f) Draw a flow chart to find the maximum among the three numbers.
- g) Discuss about router device in networking.
- h) What is network topology? Describe any two network topologies.
- i) Write short notes on Artificial Intelligence.
- j) Write about wireless networks.
- k) What is on-demand computing?

PART B

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

3 x 16 = 48 M

- 2.a) With suitable diagram explain about Computer Organization. 10 M
- b) What are Hard copy devices? Discuss various types of hard copy devices. 6 M
- 3.a) Explain in detail about basic processor architecture. 8 M
- b) Differentiate between primary and secondary memory. 4 M
- c) What is a program? What are the guidelines to Design and implement a program? 4 M
- 4.a) Discuss the concepts of operating System. What are the various functions performed by an Operating System? 8 M
- b) What is an Algorithm? Write the properties of an Algorithm. 5 M
- c) Write short notes on fifth generation programming languages. 3 M

- 5.a) Explain about various communication media in Computer Networks. 10 M
- b) Write a short note on 6 M
- i) Data transmission modes
 - ii) Broadband Internet connection.
- 6.a) Explain in detail the concept of Bluetooth Technology. 8 M
- b) Write short notes on Grid Computing. 8 M