

FACULTY OF INFORMATICS

M.C.A. I Year I – Semester (Main) Examination, Feb. / March 2015

Subject: Elements of Information Technology

Time: 3 Hours

Max. Marks: 80

Note: Answer one question from each unit. All questions carry equal marks.**Unit – I**

- 1 a) Explain how data is stored in computer. (7)
 b) Explain:
 (i) Input hardware (ii) Output hardware (iii) Communication hardware (9)

OR

- 2 a) Explain five generations of programming languages. (12)
 b) What is Windows-NT? Explain. (6)

Unit – II

- 3 a) What are source data entry devices? (8)
 b) What are pointing devices? Explain. (8)

OR

- 4 Explain softcopy output and hardcopy output devices. (16)

Unit – III

- 5 a) Explain the following: (9)
 (i) Data communication (ii) Video communication (iii) Audio communication
 b) Define network and give topologies of networks. (7)

OR

- 6 a) Explain about any two new internet technologies. (8)
 b) Explain LAN, MAN, WAN. (8)

Unit – IV

- 7 a) What are the advantages and disadvantages of FMS? (8)
 b) What are the advantages of DBMS? (8)

OR

- 8 Write about: (16)
 a) Internet programming b) HTML c) XML d) Active X

Unit – V

- 9 a) Define the following terms: (6)
 (i) Organization (ii) Tasks
 b) Define MIS. Explain different levels of Management (10)

OR

- 10 What are the threats to computers and communication systems and how to safeguard computer and communication? (16)
