

END TERM EXAMINATION

FIRST SEMESTER [MCA] DECEMBER-2009

Paper Code:MCA101

Subject: Introduction To Information Technology

Paper Id-44101

Batch:n2004-2009

Time : 3 Hours

Maximum Marks: 60

Note: Q.1 is compulsory. Attempt one question from each unit.

- Q1 (a) What about virtual device? (2)
- (b) Explain the device controller. (1)
- (c) Brief symbolical file system. (2)
- (d) What is interrupt vector? (1)
- (e) Describe the job scheduling. (2)
- (f) Define physical file system. (1)
- (g) What is race condition? (1)
- (h) Define operating system and its different types. (2)
- (i) List the different layers of Networking. (1)
- (j) What do the following protocol do: (i) Dialup Networking (ii) TCP (2)
- (k) What do you mean by OLE? (1)
- (l) What is the role of modem? (2)
- (m) What is ISP? Brief about two e-mail protocol. (2)

UNIT-I

- Q2 (a) What is input output devices? List the different input output devices. (5)
- (b) What is the storage device? Write the advantages and disadvantages of the storage device. (5)
- Q3 (a) Explain the microprocessor functioning. How it does helpful for a computer? (5)
- (b) Define the various kinds of memories in a computer with reason. (5)

UNIT-II

- Q4 Define an operating system. List the different kinds of operating system with merits and demerits. (10)
- Q5 (a) Explain the Database Management System. (5)
- (b) List the different types of Database Management System also define their various characteristics. (5)

UNIT-III

- Q6 What do you understand by data communication protocol? Explain the typical structure of TCP/IP. (10)
- Q7 (a) Explain the various Network Topologies. (5)
- (b) Describe the various kind of Network with suitable examples. (5)

UNIT-IV

- Q8 Write the procedure to create own e-mail account. What is the difference between POPUP and Web Base e-mail? (10)
- Q9 Write short notes on the following:- (10)
 - (a) Internet explorer
 - (b) FTP
 - (c) HTML
 - (d) Subnet mask