

**END-TERM EXAMINATION
FIRST SEMESTER [MCA] - DECEMBER 2005
INTRODUCTION TO INFORMATION TECHNOLOGY**

Paper Code: MCA-101

Time: 3 Hours

Marks: 60

Section –A

Q. 1. (a) What is a flow chart? Draw flow chart to find the largest and smallest of three numbers.

(b) How integers are represented in memory. Explain with example.

Q. 2. What are the various components of a computer? Discuss with the help of a block diagram.

Section – B

Q. 3. Explain the following commands of DOS.

(i) COPY

(ii) RENAME

(iii) CD

(iv) MD

Q. 4. What are the various types of operating system? Discuss characteristics of each of them.

Section – C

Q. 5. What are the different types of media used for the data communication? Explain the characteristics of each of them.

Q. 6. What is the architecture of a DBMS? What is the role of a DBA?

Section – D

Q. 7. What are the major components of a Multimedia based system. What are various multimedia compression standards?

Q. 8. What is Internet? What are various applications of Internet?

Section – E

Q. 9. (a) What is a schema and subschema?

(b) What is the need for software on a computer? Explain.

(c) What is a compiler?

(d) What is the need for operating system?

(e) What are the major steps in problem solving and refinement?

(f) What are the various types of software used in computers?

(g) What are the various options with DIR commands?

(h) What is a web browser? Explain.

(i) How does LAN differs from a WAN?

(j) What is the star topology?