# MCA 24107
# MCA DEGREE EXAMINATIONS
## FIRST SEMESTER
## FUNDAMENTALS OF COMPUTERS
## (w.e.f. Admitted Batch 2024 - 25)

---

**Time: 3 Hours**                                                                      **Max. Marks: 75M**

### SECTION - A

**All Questions Carry Equal Marks**

Note :- All parts of the questions must be answered at one place only          **(4 X 15 = 60 M)**

1.  a. Explain the Characteristics and Limitations of Computers.                    **(7 M)**
    b. Write about different types of Memories.                                      **(8 M)**

                                      **(OR)**

2.  a. List out the Number systems and explain how they are different from each other? **(7 M)**

    b. Explain about different types of I/O Devices.                                 **(8 M)**


3.  a. Define Operating System. Explain the functions of Operating Systems.         **(8 M)**
    b. Explain Page Formatting in MS-Word.                                           **(7 M)**

                                      **(OR)**

4.  a. Write about different types of Graphs in MS-Excel.                            **(8 M)**
    b. Explain the steps for Creating a presentation with Designs                    **(7 M)**


5.  a. Explain different Network Topologies.                                         **(8 M)**
    b. Discuss about the functionality of different Network Devices                  **(7 M)**

                                      **(OR)**

6.  a. Write about different Web Browsers.                                           **(8 M)**
    b. Explain the process of Creating, Sending and Receiving e-mails                **(7 M)**


7.  a. Write about Structured Programming Concepts.                                  **(7 M)**
    b. What is Flowchart? Explain different representations of Flowchart.            **(8 M)**

                                      **(OR)**

8.  a. Differentiate between Machine Language and Assembly Language.                 **(7 M)**
    b. What are Low-Level Languages? Explain in detail.                              **(8 M)**


### SECTION-B

Answer **Any 5** of the Following.                                                   **(5 X 3 = 15 M)**

9. Write about CPU.

10. Draw and Explain Block Diagram of a Computer.

11. Write about Multi programmed OS.

12. Write about Mail-Merge in MS-Word.

13. Write about different types of Networks.

14. Explain Searching in Web Browsers.

15. What is an Algorithm?

16. Write about Looping.

                                      **\*\*\*\*\***