Q.1. **Write answers for any two questions from below. (5 marks each – Word limit – 500)**

A. Explain different types of Addressing Modes. Explain How it works.

B. Note down the characteristics of RISC and CISC. Write its differentiation too.

C. Write the applications of Flip-Flop.

Q.2. **Write short notes on all of the following topics (1 mark each - Word limit - 100)**

A. Instruction Pipeline

B. State the limitations of Karnaugh map.

C. Machine language

D. RAM

E. Binary Representation

Course	MCA	
Semester	1	**Fundamentals of Computer**
Total Marks:	15	

Q.1. Write answers for any two questions from below. (5 marks each – Word limit – 500)

A. Describe Motherboard and different layers in Modern Computer.

B. Describe Linker with its working.

C. With the help of neat diagram explain hardwired and microprogrammed control unit.

Q.2. Write short notes on all of the following topics (1 mark each - Word limit - 100)

A. CPU Clock

B. Nibble

C. Computer Software

D. ROM

E. Duality Theorem