

Half Yearly Examination 2020-21

B.C.A. III Year

Computer System Architecture

BCA - 301

Time: 3 Hours

Max. Marks = 50

Min. Marks = 20

Note:- Attempt any two questions from each unit . Each question carries equal marks.

UNIT-I

1. Write a note on fixed point and floating point representations.
2. Discuss the concept of ASCII & EBCDIC codes.
3. Write a note on BCD & Grey codes.

UNIT-II

1. Write a note on AND & OR gates.
2. Discuss the concept of NAND & XOR gates.
3. Explain concept of JK flip-flop.

UNIT-III

1. Write a note on Microprocessor architecture.
2. Discuss the concept of interfacing devices.
3. Explain the core of system buses.

UNIT-IV

1. Write a note on Memory mapped I/O.
2. Discuss data transfer modes.
3. Discuss the concept of handshaking.

UNIT-V

1. Write a note on semi conductor memory.
2. Discuss the concept of virtual memory.
3. Explain the concept of cache memory.