

Roll No.

Total No. of Pages : 02

Total No. of Questions : 07

BCA (2013 & Onward) (Sem.-2)
COMPUTER SYSTEM ARCHITECTURE
Subject Code : BSBC-204
Paper ID : [B1116]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SIX questions carrying TEN marks each and a student has to attempt any FOUR questions.

SECTION-A

Q1) Answer briefly :

- a) What is serial port? Explain.
- b) What is memory stack?
- c) Explain the term Handshaking.
- d) Define address bus.
- e) What do you mean by DMA?
- f) Define the term associative memory.
- g) Define shift operators and its types.
- h) Differentiate between SISD, SIMD and MIMD.
- i) What is the layered approach architecture?
- j) Define Parallel Port.

SECTION-B

- Q2) Explain :
- a. Ports and its types.
 - b. DMA Controller.
- Q3) What do you mean by addressing mode? What are various types of addressing modes and their advantages and disadvantages?
- Q4) What is Input-Output processor? How it communicate with CPU?
- Q5) What is Control unit and explain its types?
- Q6) Explain Von Neumann Architecture.
- Q7) Discuss the logic and shift micro operation with the help of examples.