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.