Roll No. ..... Total Pages : 2

BT-5/D-20 **45244**

COMPUTER ORGANIZATION AND ARCHITECTURE

Paper : EC-305A

Time : Three Hours] [Maximum Marks : 75

Note : Attempt *five* questions in all, selecting at least *one* question from each unit. All questions carry equal marks.

UNIT–I

1. What is basic architecture of Computer? Explain the role of different register and memory in detail. (15)

2. What do you mean by instruction format? Also explain different addressing modes with the help of example. (15)

UNIT–II

3. What is micro programmed control and also explain mutiplier control unit? (15)

4. What is structure of general purpose multiprocessor and explain with the help of example? (15)

UNIT–III

5. Explain the following term with the help of example :

(a) Associative memory.

(b) Auxilary memory.

(c) Cache memory. (15)

6. Explain the organization and feature of serial access memories. (15)

UNIT–IV

7. (a) What is difference between parallel processing and vector processing?

(b) What do you mean by array processor and its advantages? (15)

8. What is pipelining? Explain RISC pipelining and Instruction pipelining. (15)

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