(DEC 313)

B.Tech. DEGREE EXAMINATION, MAY - 2015

(Examination at the end of Third Year)

ELECTRONICS & COMMUNICATIONS

Paper - III : Computer Organization

Time : 3 Hours | **Maximum Marks : 75**

Answer question No.1 compulsory *(15)*

Answer ONE question from each unit *(4 × 15 = 60)*

1) Write a short notes on :

    a) Logic micro operations.

    b) Addressing modes.

    c) Floating Point Arithematic operation.

    d) Auxiliary memory.

    e) Priority interrupt.

UNIT – I

2) What is a Register explain different operations of Registers.

OR

3) Explain the following :

    a) Instruction cycle

    b) Memory Reference Instruction.

UNIT - II

4) Explain about control memory and Design of control unit.

OR

5) What is Addressing mode? Different types addressing modes.

UNIT - III

6) Describe addition and multiplication operation with example instructions.

OR

7) Explain about memory management and memory hierarchy.

UNIT - IV

8)   a)   Different types of peripheral devices?

      b)   Explain Asynchronous serial transfer?

OR

9)   a)   Direct Memory Access.

      b)   Serial Communication.

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