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K-210

B.Sc. (Part-II) Examination, 2022

(Old Course)

COMPUTER SCIENCE

[Paper : First]

(Computer Hardware)

Time Allowed : Three Hours

Maximum Marks : 50

Minimum Passing Marks : 17

Note : Attempt **all** questions. **One** question from each unit is **compulsory**. **All** questions carry **equal** marks.

UNIT-I

1. What do you mean by digital computer ? Explain major component of digital computer. [10]

2. Write short notes on **(any two)** : [10]

   (a) Memory Addressing

(b) Multiprogramming multi-user system

(c) Flynn's classification of computers

UNIT-II

3. Explain about CPU organization. [10]

4. Write short notes on (**any two**) : [10]

(a) Instructions of INTEL8085

(b) Addressing mode interrupts

(c) Addressing mode exceptions

UNIT-III

5. What do you mean by memory of a digital computer ? Explain various types of memory. [10]

6. Write short notes on (**any two**) : [10]

(a) Optical disks

(b) DASD

(c) Cache memory

UNIT-IV

7. Explain various I/O devices of a digital computers. [10]

8. Write short notes on (**any two**) : [10]

   (a) Micro Controller

   (b) Arithmatic Processor

   (c) Signal Processor

UNIT-V

9. Explain operating system and utility program in brief.[10]

10. Write short notes on (**any two**) : [10]

    (a) Micro programming

    (b) Program design

    (c) Software development

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