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F-3779

B.Sc. (Part - III) Examination, 2022
(Old/New Course)
COMPUTER SCIENCE
PAPER First
(Computer Hardware-Part C)

Time : Three Hours]   *[Maximum Marks:50*

Note : Attempt any two questions from each unit. All questions carry equal marks.

Unit - 1

1. (A) Explain bussed architecture for microcomputer.

    (B) Explain input output techniques and Hardware controlled I/O.

(C) Explain memory addressing modes in detail.

Unit - 2

2. (A) Explain DMA Controller and DMA channels.

    (B) Explain serial I/O ports, COM-I and COM-2 in detail.

    (C) Explain video control through ROM-BIOS.

Unit - 3

3. (A) Explain ROM-BIOS keyboard and Printer services.

    (B) Explain loading of DOS and its basic structure.

    (C) Explain file structure of DOS and DOS interrupts.

Unit - 4

4. (A) Explain file organisation on a DOS Disk.

    (B) Explain memory management and its functions.

    (C) Explain loading the program overlays through Exec.

5. (A) Explain filter in operating system and writing filter to run ruder DOS.

    (B) Explain trouble shooting in various versions of window O.S.

    (C) Explain special interrupts in PC in detail.