FD-2769

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

COMPUTER SCIENCE

Paper - I

Computer Hardware
(Part-C)

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

Note : Answer **all** questions. All questions carry equal marks.

Unit-I

1. (*a*) Explain bussed architecture for micro computer in detail.

   (*b*) Write short notes on the following :

   (*i*) Comparison of I/O mapped and memory mapped I/O

   (*ii*) Hardware controlled I/O

   OR

   (*a*) Describe the I/O addressing with P-8088.

   (*b*) Write down the registers of CPU.

Unit-II

2. (*a*) Explain the Disk controllers in detail.

   (*b*) Describe the parallel port for printer.

OR

   (*a*) Explain the monochrome and colour video monitors.

   (*b*) Write down the Direct Video Control.

Unit-III

3. (*a*) Explain the ROM-BIOS printer services.

   (*b*) Explain the ROM-BIOS keyboard services.

OR

   (*a*) Explain the DOS interrupts.

   (*b*) Describe the file structure of DOS.

Unit-IV

4. (*a*) Explain the logical structure of a Disk.

   (*b*) Explain the file organization on a DOS disk.

OR

(*a*) Explain memory management under DOS.

(*b*) Describe the loading and executing program under DOS.

Unit-V

5. (*a*) Write down the types of interrupts.

(*b*) Describe the interrupt vector table in PC.

OR

(*a*) Explain the filters supplied with DOS.

(*b*) Explain the networking features of windows operating system.

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