

Roll No.

003015

Y-2231

B. Sc. (Part III) EXAMINATION, 2015

COMPUTER SCIENCE

Paper First

(Computer Hardware—Part C)

Time : Three Hours]

[Maximum Marks : 50

Note : Attempt all the *five* questions. All questions carry equal marks.

Unit—I

1. (a) Draw and explain the basic component of micro-computer.
- (b) Distinguish between I/O mapped and memory mapped I/O.

Or

- (a) Distinguish between program and interrupt controlled I/O.
- (b) Describe any *four* data addressing modes of 8088 microprocessor.

Unit—II

2. (a) Give brief description of hardware interrupt vectoring in motherboard.

- (b) How can video be controlled through ANSI.SYS ?

Or

- (a) Give brief description of bus slots and feature cards of motherboard.
- (b) Describe video control through ROM-BIOS INT 10H service, in brief.

Unit—III

3. (a) Explain the architecture of Unix, in brief.
- (b) Describe any *two* miscellaneous services of ROM-BIOS in brief.

Or

- (a) What are the system files of DOS O. S. ? Explain its functions in brief.
- (b) Describe the various functions of keyboard service INT 16H.

Unit—IV

4. (a) Explain Master boot record and DOS boot record of DOS disk.
- (b) What are the functions of Exec loader ? Explain in brief.

Or

- (a) Distinguish between root directory and sub-directory in DOS O. S.
- (b) What do you mean by parameter blocks ?

Unit—V

5. (a) Describe various types of interrupt in brief.

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- (b) Explain SORT filter supplied with DOS with suitable examples.

Or

- (a) Write down the various features of window O. S.
(b) Discuss how are the input-outputs redirected under DOS.