

Roll No.

ED-2715

B. Sc. (Part II) EXAMINATION, 2021

COMPUTER SCIENCE

Paper First

(Computer Hardware)

Time : Three Hours

Maximum Marks : 50

Note : Attempt any *two* part from each Unit. All questions carry equal marks.

Unit—I

1. (a) Describe Flynn's classification computers.
- (b) Explain digital and analog computer with their evolution.
- (c) Explain the following :
 - (i) Parallel processing
 - (ii) Dumb and smart terminal

Unit—II

2. (a) Explain any five instructions of intel 8085.
- (b) What are the addressing modes ? Explain it.
- (c) Describe time diagram with suitable example.

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Unit—III

3. (a) Explain working of virtual memory.
- (b) Explain destructive and non-destructive read out memory.
- (c) Explain the following :
 - (i) MMU
 - (ii) Cache memory

Unit—IV

4. (a) Explain different types of plotter.
- (b) Explain arithmetic processor with suitable diagram.
- (c) How to perform serial data transfer through I/O part ? Explain it.

Unit—V

5. (a) Explain the following :
 - (i) Multiuser system
 - (ii) Micro programming
- (b) What are software development process ? Explain it.
- (c) Explain different types of programming languages.