Roll No. ....

D–3657

B. Sc. (Part II) EXAMINATION, 2020

COMPUTER SCIENCE

Paper First

(Computer Hardware)

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

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

Unit—I

1. (a) Explain the digital and analog computers and its evolution.

   (b) Discuss the users interface Hardware, Software and Firmware.

   (c) Describe the Flynn's classification of computer.

Unit—II

2. (a) Write a detailed note on registers.

   (b) Explain the various addressing modes.

   (c) Describe the time diagram in brief.

Unit—III

3. (a) What is main memory ? Explain in brief.

   (b) Describe the real and virtual memory.

   (c) Discuss the destructive and non-destructive readout.

Unit—IV

4. (a) Explain the printer in brief.

   (b) Discuss the microcontroller.

   (c) Describe the arithmetic processor.

Unit—V

5. (a) What do you understand by ML, AL and HLL ? Explain in detail.

   (b) Describe the steps involved in software development.

   (c) What is Flowchart ? Describe it with example.