

Roll No.....

DD-2715

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 question. All questions carry equal marks.*

Unit-1

- 1.(a) Draw and explain major components of digital computer.
- (b) Explain the following :
 - (i) Multiprocessing.
 - (ii) Software & Firmware.
- (c) Explain word length and processing speed of computer.

Unit-2

- 2.(a) Explain Instruction word size with example.
- (b) Explain fetch and execution operation of CPU.

[P.T.O.]

- (c) What are Interrupt ? Explain it.

Unit-3

3. (a) Explain primary memory and secondary memory.
(b) Explain the following :
(i) DACD
(ii) Optical Disk.
(c) Explain Memory controller and Bubble Memory.

Unit-4

4. (a) Describe types of printer with example.
(b) Explain the working of I/O devices of Micro-Controller.
(c) Draw and explain I/O processor architecture.

Unit-5

5. (a) What are application packages ? Explain it.
(b) Write and explain different shapes of flow chart design.
(c) Explain machine language and assembly language with their advantages and disadvantages.