

AJ-1172
(005) B.Sc. Part-II (Two)
Term End Examination, 2021-22
COMPUTER SCIENCE
(Paper-I)

Time : 3 hours]

[Maximum Marks : 50

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

1. What do you mean by Analog and digital computer? Explain Evolution of computer with features.

OR

Explain the following in detail :

- (a) Dumb, smart and Intelligent terminals.
 - (b) Films classification of computers.
 - (c) Software and firmware
2. Explain CPU organization with diagram. Write various addressing modes in detail.

OR

Explain the following in detail :

- (a) Instruction cycle fetch and execute operation.
 - (b) Time diagram.
 - (c) interrupts and exceptions.
3. What do you mean by main memory? Write types of it. Also explain functioning of cache memory.

OR

Explain the following in detail :

- (a) Semiconductor memory
 - (b) Magnetic memory
 - (c) Destructive and non-destructive readout
4. What do you mean by processor? Explain different types of it?

OR

What is microcontroller? Explain various I/O devices of microcontrollers.

5. What is micro programming? Explain software development in detail.

OR

What do you mean by system software? Explain operating system and utility program in detail.