

Roll No. \_\_\_\_\_

**Special Online Examination Nov. 2020**

**B.Sc. Part III  
COMPUTER SCIENCE**

Paper I

( Computer Hardware )

Time : 3 Hours ]

[ MAXIMUM MARKS : 50

*Note : All questions are compulsory.*

**Section 'A' (5 × 2 = 10)**

*Note : Very Short Answer Type Questions. Answer in one or two lines.*

1. What is Register ?
2. What is Monochrom ?
3. Write the function of IO.sys file of DOS.
4. What is FAT files ?
5. Write types of interrupts.

**Section 'B' (5 × 3 = 15)**

*Note : Short Answer Type Questions. Answer with word limit 75-100 words.*

P. T. O.

**Unit-I**

1. What do you understand by basic component of Micro-computer ?

**Or**

What do you understand by Index and Flag ?

**Unit-II**

2. Write about serial I/O ports, Com-I, Com-2.

**Or**

How to possible video-control through ANSI-sys ?

**Unit-III**

3. Write about program segment prefix.

**Or**

Write about DOS function through INT-21H.

**Unit-IV**

4. Explain the FCB functions of DOS.

**Or**

Explain the loading the program overlays through EXEC.

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**Unit-V**

5. What do you understand by Clock Interrupt ?

**Or**

Write about Networking Features of windows operating system.

**Section 'C' (5 × 5 = 25)**

*Note : Long Answer Type Questions. Answer with word limit 150-200 words.*

**Unit-I**

1. Explain Program and interrupt controlled I/O in brief.

**Or**

Discuss comparison between I/O mapped and memory mapped I/O.

**Unit-II**

2. Explain block diagram with various parts of PC in brief.

**Or**

Explain system timer / counters and Hardware interrupt vectoring of mother board.