Q.4 What are I/O processor? Explain Arithmetic processor.

OR

What are the various I/O devices? Write a detailed note on plotter.

Q.5 Explain micro programming with help of program.

OR

Explain the features of application package.

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Roll No..... Total No. of Sections : 03

Total No. of Printed Pages : 04

Code No. : S-276

Annual Examination - 2019

B.Sc. Part - II

COMPUTER SCIENCE

Paper - I

COMPUTER HARDWARE

Max.Marks : 50

Time : 3 Hrs. **Min.Marks : 17**

Note : Section 'A', containing 10 very short-answer-type questions, is compulsory. Section 'B' consists of short answer type questions and Section 'C' consists of long answer type questions. Section 'A' has to be solved first.

Section - 'A'

Answer the following very short-answer-type questions in one or two sentences : (1×10=10)

Q.1 Define multiprogramming.

Q.2 What are smart terminals?

Q.3 Define digital computer.

Q.4 Write the full form of CPU.

Q.5 What is secondary memory?

Q.6 Write the name of two types of RAM.

Q.7 Write any 2 output devices.

Q.8 What is serial data scheme?

Q.9 Write any 2 utility packages.

Q.10 What is multi tasking operating system?

Section - 'B'

Answer the following short-answer-type questions with word limit 150-200 : (3 5=15)

Q.1 Differentiate between single chip microprocessor and single chip microcomputer.

OR

Differentiate between hardware and software.

Q.2 Explain ALU.

OR

Write short note on INTEL 8085.

Q.3 Explain cache memory.

OR

Explain backup memory.

Q.4 Discuss the working of laser printer.

OR

Explain signal processor.

Q.5 Explain stack subroutine.

OR

Explain program design.

Section - 'C'

Answer the following long-answer-type questions with word limit 300-350 : (5 5=25)

× Q.1 Explain the major components of digital computer.

OR

Explain the memory addressing capability of CPU and word length and processing speed of computers.

Q.2 Explain time diagram data flow with help of diagram.

OR

Discuss types of interrupts and explain how to handle interrupts.

Q.3 Write a detailed note on MMU.

OR

What is the major difference between main and secondary memory. Discuss importance of real and virtual memory.

P.T.O.