Roll No…….. **Total No. of Printed Pages: [01]**
Total No. of Questions: [09]

B.Sc. (IT) (Semester- 4th)
COMPUTER PERIPHERALS AND INTERFACES
Subject Code: BITE1460
Paper ID: 130423

Time: 03 Hours **Maximum Marks: 60**

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A **(2 marks each)**

Q1. Attempt the following:

a) Define cycle stealing in DMA.
b) List the various types of slots available on motherboard.
c) Differentiate between ISA and EISA.
d) How IDE was originated?
e) Specify the meaning of plug and play technique?
f) How many devices can be managed by a single SCSI controller?
g) List the specifications of a Latest Laptop.
h) What is the purpose of Video RAM?
i) Write the procedure to test the serial port.
j) Write the steps to troubleshoot if sound and video fail to work in a PC?

Section – B **(5 marks each)**

Q2. Discuss the various types of DMA channels with special reference to their usage.
Q3. Figure out the various types of events that could be diagnosed as a resource conflict in a PC.
Q4. What are the characteristics of PCI bus?
Q5. Discuss the significant features of all different types of ATA standards.
Q6. Compare features of SCSI interface over IDE interface.

Section – C **(10 marks each)**

Q7. Discuss the various aspects of cost performance analysis while designing the system?
Q8. Evaluate the role of device drivers in DOS and LINUX/UNIX.
Q9. Write short notes on a) Parallel to SCSI converter b) I/O Interfaces from USB and IEEE1394.