Roll No. ....

Total No. of Questions : 09]   [Total No. of Pages : 02

B.Tech. (Sem. - 5th)
COMPUTER PERIPHERALS & INTERFACES
SUBJECT CODE : CS - 311
Paper ID : [A0469]

[Note : Please fill subject code and paper ID on OMR]

Time : 03 Hours   Maximum Marks : 60

Instruction to Candidates:

1) Section - A is **Compulsory**.

2) Attempt any **Four** questions from Section - B.

3) Attempt any **Two** questions from Section - C.

Section - A

Q1)   (10 × 2 = 20)

a) What is the main difference between ISA and EISA buses?

b) What is system bus? What are other bus types?

c) How is a monitor selected?

d) What are ports? Why are they important?

e) What are CMOS batteries? What is their main function?

f) Name the main problems in interfacing of a keyboard.

g) What is main limitation of IDE?

h) What are the cost-performance issues in designing a system?

i) Name the video adapter types.

j) What is VESA local bus?

R-719   *P.T.O.*

Section - B

(4 × 5 = 20)

Q2) What are the various types of graphic cards and monitors? Discuss their types and features.

Q3) Explain the design of ISA and EISA buses. Also distinguish between the two.

Q4) What are the cost performance analysis considerations while designing a system?

Q5) Explain the interface between IEEE1394 and USB961.

Q6) Discuss Mouse and Keyboard USB interfaces.

Section - C

(2 × 10 = 20)

Q7) Explain ISA and PCI architectures.

Q8) Discuss the DOS and UNIX device drivers in detail.

Q9) (a) Explain the common architectures of video display.

(b) Differentiate between asynchronous and synchronous communication. What is the purpose of serial standards?

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R-719 2