

Roll No.

Total No. of Questions : 09]

[Total No. of Pages : 02

B.Tech. (Sem. - 5th)

COMPUTER PERIPHERALS AND 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) System Bus.
- b) DMA channel.
- c) Use of driver software.
- d) USB interfaces.
- e) TV tuner.
- f) Video adapter.
- g) Hardware support to interrupt resolving.
- h) RAID.
- i) Multiple monitor setup.
- j) Video Ram.

Section - B

(4 × 5 = 20)

Q2) Compare and contrast IDE and SCSI interfaces?

Q3) Explain the factors influencing display quality of a CRT screen?

Q4) Describe data transfer applications through serial and parallel port? What kind of error occurrence is possible during these transfers?

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Q5) What are the applications of PCI bus? Specify the alternatives to PCI bus in the designing of efficient system?

Q6) Explain ATA standards?

Section - C

(2 × 10 = 20)

Q7) In the context of modern technologies, what are the factors of concern to select an optimized configuration in terms of cost and performance.

Q8) Explain in detail video display technologies.

Q9) What is I/O port addressing? Specify the mechanisms to resolve address conflict of resources?

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