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Total No. of Questions : 09]

[Total No. of Pages : 02

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**B.Tech. (Sem. - 5<sup>th</sup>)**

**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?

**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?

