

Roll No.

Total No. of Questions : 09]

[Total No. of Pages : 01

B.Tech.(Sem. – 5th)**COMPUTER PERIPHERAL DEVICES & 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 AGP?
- b) What is EISA?
- c) What is IRQ?
- d) What is VESA local bus?
- e) What is ATA-RAID?
- f) What is the role of video adapter?
- g) What is the role of DMA channel?
- h) What is resource conflict?
- i) What are the components of video subsystem PC?
- j) What is persistence?

Section – B**(4 × 5 = 20)**

Q2) What do you mean by RAID? Differentiate between ATA RAID and SCSI RAID in detail.

Q3) Explain DMA controller in detail?

Q4) Explain how CRT monitor displays an image?

Q5) Explain working of local bus with the help of block diagram.

Q6) Discuss the advantages of USB technology over serial and parallel slots.

Section – C**(2 × 10 = 20)**

Q7) Write a short note on the following:

- a) Co Processors
- b) ESP and EPP
- c) IEEE 1394 standard
- d) IRQ and its applications

Q8) a) Explain features of UNIX device drivers.

- b) What are the steps involved in design and integration of peripheral devices to a computer system. You can take many peripheral devices as an example to explain the concept.

Q9) Name two high-speed serial bus architecture used in desktops. Explain in detail their advantages and disadvantages.

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J - 768

1

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