

## Question Bank (G scheme)

Name of subject: **COMPUTER HARDWARE AND NETWORKING**

Subject code: **17533**

Unit Test : **I**

Semester: **v**

Course : **EJ/IS/IE**

### **CHAPTER 1 Motherboard and peripherals ( marks 14)**

#### **3 marks**

- 1) List out any four features of PCI and ISA bus.
- 2) Draw and explain mechanical key switches used in keyboard.
- 3) Draw and explain membrane key switches used in keyboard.
- 4) Give the features of PCI and PCI Express buses.
- 5) State important characteristics of LCD monitor.( a) Resolution (b) Refresh rate (c) Response time
- 6) State advantages of LCD over CRT Monitor (Any 6 points)

#### **4 Marks**

- 7) Define Cache Memory. Comparison between internal and external cache
- 8) What is BIOS? State Functions of BIOS. (4M)
- 9) Describe the working of LCD monitor with neat block diagram
- 10) Explain passive and active matrix in LCD monitor give their anvatages.
- 11) Comparison between LCD and CRT display
- 12) Explain the working of optical mouse with neat block diagram.
- 13) Draw and explain functional block diagram of flat bed scanner.
- 14) Compare between DOT Matrix and Laser printer.
- 15) Draw and explain working of inkjet printer.

### **CHAPTER 2 power supply and interfaces( marks 06)**

#### **3 marks**

- 16) State signal available at ATX/NLX style power supply connectors.
- 17) What is USB? List the features of USB.

#### **4 marks**

- 18) Draw and explain the block diagram of SMPS.
- 19) Draw and explain pin diagram of RS-232.
- 20) Draw and explain block diagram of UPS. List out types of UPS.

### **CHAPTER 3 Diagnostic, Testing and Maintenance ( marks 08)**

**3 marks**

- 21) What is preventive maintenance?
- 22) Explain passive preventive maintenance.

**4 marks**

- 23) Name any two H/W and S/W tools used for troubleshooting of PC.
- 24) List out any four PC peripherals and give their preventive maintenance.
- 25) What are the PC Problems and write steps for troubleshooting