

S.B. Roll No.....

**PERSONAL COMPUTER ORGANISATION**  
**5<sup>th</sup> Exam/0613/2264/ECE/ETV/ECE-II/May'18**

**Duration: 3Hrs.**

**M.Marks:75**

**SECTION-A**

**Q1. Fill in the blanks.**

**15x1=15**

- a. ATX stands for \_\_\_\_\_.
- b. The shape and layout of a motherboard is called \_\_\_\_\_.
- c. PCI supports \_\_\_\_\_ addressing.
- d. In RS 232 Interface, RS stands for \_\_\_\_\_.
- e. The \_\_\_\_\_ Memory is Volatile in nature.
- f. A sector typically contains \_\_\_\_\_ Bytes.
- g. DIMM stands for \_\_\_\_\_.
- h. Shift, Cntrl, Alt are called \_\_\_\_\_ keys.
- i. PS/2 connectors are \_\_\_\_\_ pin connectors.
- j. In Computer Graphics monitor we use \_\_\_\_\_ focussing.
- k. Each point on screen is called \_\_\_\_\_.
- l. Chain printers use \_\_\_\_\_ print Mechanism.
- m. Parallel Ports are much \_\_\_\_\_ than serial ports.
- n. AGP stands for \_\_\_\_\_.
- o. One Nibble = \_\_\_\_\_ Bits

**SECTION-B**

**Q2. Attempt any five questions.**

**5x6=30**

- i. Write and briefly explain the various form factors of a Motherboard.
- ii. What is a Port? Explain the Serial and Parallel Ports.
- iii. Differentiate between RAM & ROM.
- iv. Describe the working principle of a keyboard.
- v. What is a Mouse? Briefly explain the types.
- vi. What is the principle of operation of a LASER Printer?
- vii. Explain the Centronics Interface in detail.
- viii. Describe the different types of SCSI connectors.

**SECTION-C**

**Q3. Attempt any three questions.**

**3x10=30**

- a. Explain the Block diagram of a Motherboard with the help of a Diagram.
- b. What is a Hard Disk? Discuss a Hard Disk Controller.
- c. Discuss the different types of switches used in Keyboards.
- d. What are Impact and Non Impact type of Printers. List a few of them and explain any one in detail.
- e. Write short notes on **(any two)**
  - i. Printer Characteristics
  - ii. RS 232 Interface
  - iii. RAM Module