M. Sc. (ECI) (Sem. V) (CBCS) Examination

November / December - 2018

Fundamental of Computer Hardware : Paper - 18

(New Course)

Faculty Code : 003

Subject Code : 1275002

Time : $2\frac{1}{2}$ Hours]   [Total Marks : **70**

Instructions : (1) All questions carry equal marks.

                (2) Figures on right hand side indicate marks.

1   Answer the following : (Any **Seven**)   14

    (1)   What is computer hardware?

    (2)   In Intel-based motherboards, which chip enables the CPU to interact with RAM?

    (3)   What is the correct boot sequence for a PC?

    (4)   Give the full form of HDMI, POST, BIOS, and MCC.

    (5)   What do you call the command that tells the computer what to do?

    (6)   Give the full form of DIMM, PAC, AMR, and CNR.

    (7)   What function does the Address bus have in the PC?

    (8)   What do registers provide for the CPU?

    (9)   What is super scalar execution?

    (10) Which of the form factors dominate the PC industry?

2   Answer the Following : (Any **Two**)

    (1)   Write a note on DDR SDRAM.   7

    (2)   Briefly explain AMD K6 series processor and   7
            give its package configuration.

    (3)   Write about clock speed and multiplier of CPU.   7

3 Answer the Following :

(1) Write a note on Intel Pentium II processor.   **5**

(2) What is RAM and why is it so important that   **5**
every PC have some?

(3) List the internal configuration of AMD's Athlon   **4**
Dual core processor.

OR

3 Answer the Following :

(1) Explain the function of BIOS in every PC.   **7**

(2) Briefly explain Latency of RAM.   **7**

4 Answer the following :

(1) Write a note on power supply, floppy drive and   **7**
motherboard.

(2) Write a note on Power on self-test.   **7**

5 Answer the following : (Any **two**)

(1) Briefly explain how motherboard works in   **7**
the PC?

(2) List the types of connectors in the PC and explain   **7**
any four connectors.

(3) Write a short note on CMOS.   **7**

(4) Write a note on optical storage media of the PC.   **7**

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