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

April / May - 2018

Department of Electronics : Paper - 23

(Fundamental of Computer Hardware)

Faculty Code : 003

Subject Code : 027603

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 do you plug into a three-row, 15-pin port?

(2)　What connector was designed to connect your PC to a high-end television set?

(3)　What do registers provide for the CPU?

(4)　What function does the external data bus have in the PC?

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

(6)　List the input, output and storage devices of computer system.

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

(8)　Give the full form of DDR, POST, CMOS, and MCC.

(9)　What is super scalar execution?

(10)　What is the primary reason that DDR2 RAM is potentially faster than DDR RAM?

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

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

(2) Write a note on DB and RJ connectors. 7

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

3 Answer the Following :

(1) Briefly explain Intel Celeron processor and give its package configuration. 5

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

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

OR

3 Answer the Following :

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

(2) Briefly explain Latency of RAM. 7

4 Answer the following :

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

(2) Write a note on parity and ECC in the RAM. 7

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

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

(2) Write a note on DDR and DDR2 RAM. 7

(3) List the types of Intel and AMD's processors and explain any three processors In details. 7

(4) Briefly explain varieties or types of DRAM. 7

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