



NBW-003-0277603 Seat No. _____

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

April / May - 2017

Paper - 23 : Fundamental of Computer Hardware
(New Course)

Faculty Code : 003

Subject Code : 0277603

Time : 3 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 connector was designed to connect your PC to a high -end television set and audio system ?
2. What do you call the command that tell the computer what to do ?
3. What is the function of the address bus in the PC ?
4. What is the size of the data bus and L 1 cache on a core 2 Duo CPU ?
5. What is the primary reason that DDRZ RAM is potentially faster than DDR RAM ?
6. What does BIOS provide for the computer ?
7. List the ATX ports for motherboard.
8. What is meaning of DIMM, MCC, SMPS, CD-R and CD-ROM ?
9. What is difference between DIMM and DDR RAM ?
10. What is a cache memory in a PC ?

2	Answer the Following : (Any Two)	14
	1. What is system clock ? Describe in brief.	7
	2. Describe the Pentium III processor.	7
	3. What is BIOS ? Describe the BIOS with one suitable example.	7
3	Answer the Following :	14
	1. List the types of RAM and explain DRAM in brief.	7
	2. What is address bus in the CPU ? Explain with suitable example.	7
OR		
3	Answer the Following :	14
	1. List the difference between SD RAM and DDR RAM ?	5
	2. List the types of connectors of the CPU and describe any two connectors.	5
	3. List the input, output and storage devices of computer.	4
4	Answer the following :	14
	1. Explain the function of BIOS.	7
	2. List the series of Intel processor and explain any two Intel processors.	7
5	Answer the following : (Any two).	14
	1. Describe the relationship of CPU and RAM and explain it.	7
	2. Explain an AMD Athlon thunderbird processor.	7
	3. Describe and explain power on self test (POST).	7
	4. Describe the major internal and external components of a PC.	7

