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4th Sem / Computer, Computer(For Speech and Hearing Impaired)

Subject : Computer Organisation & Architecture

Time : 3 Hrs. M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 Cache Memory act between (CO-2)

a) CPU and Ram b) Ran and Rom

c) CPU and Hard Disk d) All of the above

Q.2 SDRAM stands for (CO-2)

a) System Dynamic Random Access Memory

b) Synchronous Dynamic Random Access Memory

c) Both A and B

` d) None of the above

Q.3 Control words consists of (CO-1)

a) 10 bits b) 14 bits

c) 20 bits d) None of the above

Q.4 Memory unit that communicates directly with the CPU is (CO-2)

a) Secondary Memory b) Main Memory

c) Shared Memory d) Cache Memory

Q.5 Zero Address Instruction can be used in (CO-1)

a) Stack

b) General Register Organization

c) RISC

d) Single Accumulator Oragnization

Q.6 POST is (CO-3)

a) Power On self Test

b) Post Self Test

c) Pre Off Self Test

d) None of the above

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

Q.7 BIOS stands for _____ (CO-3)

Q.8 RISC stands for _____ (CO-1)

Q.9 A memory unit accessed by content is called _____ (CO-2)

Q.10 SISD is _____ (CO4)

Q.11 DMA stands for _____ (CO-3)

Q.12 Data Flow Architecture is a type of Parallel Processors. (T/F) (CO-4)

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 Explain RAM clip with the help of diagram. (CO-2)

Q.14 Differentiate between RISC and CISC processors. (CO-1)

Q.15 Explain General Register Organization with the help of diagram. (CO-1)

Q.16 Write a note a memory hierarchy. (CO-2)

Q.17 Define Parallel processing. List Flynn's classification of parallel computers. (CO-4)

Q.18 Define Multiprocessor. Elaborate its different types. (CO-4)

Q.19 Differentiate between Synchronous and Asynchronous data transfer. (CO-5)

Q.20 Define addressing mode and its types. (CO-1)

Q.21 List different Mapping Techniques. (CO-2)

Q.22 Differentiate between Hardwired and Micro programmed Control. (CO-1)

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

Q.23 Explain BIOS and its different functions. (CO-3)

Q.24 Explain types of Instruction format along with examples. (CO-1)

Q.25 Write a note on

(a) DMA data transfer. (CO-3)

(b) Handshaking. (CO-5)