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4th Sem, **Branch :** Computer Engineering

Subject : Computer Organization

Time : 3 Hrs. **M.M. : 100**

SECTION-A

Note : Multiple choice questions. All questions are compulsory. (10x1=10)

Q.1 Output device is (CO-1)
a) Keyboard b) Printer
c) Mouse d) Scanner

Q.2 RISC stands for (CO-1)
a) Reduced Instruction set computer
b) Read Instruction set computer
c) Reduced Instruction set coming
d) Reduced Input self computer

Q.3 RAM is (CO-2)
a) Volatile memory b) Static memory
c) Garbage memory d) Low speed memory

Q.4 An address generated by CPU is generally referred as _____ (CO-2)
a) Physical address b) Associative address
c) Referral address d) Logical address

Q.5 1GB = _____ Bytes (CO-1)
a) 1,000 b) 1,000,000,000,000
c) 1,000,000,000 d) 1,000,000

Q.6 Which of the following is not type of ROM (CO-3)
a) PROM b) EEPROM
c) EAROM d) MEPROM

Q.7 Name the parallel processing (CO-4)
a) SIMD, MIMD b) MIMD
c) MISD, SISD d) All of above

Q.8 Parallel processor is (CO-4)
a) Data flow architecture
b) CMOS
c) BIOS
d) RISC

Q.9 Input device is (CO-1)
a) Keyboard b) Printer
c) Plotter d) DMP

Q.10 RAM can be _____ (CO-3)
a) DRAM b) ROM
c) PROM d) MEPROM

SECTION-B

Note : Objective type questions. All questions are compulsory. (10x1=10)

Q.11 Register and memory are the types of _____(CO-1)

Q.12 The ____ stores intermediate data used during the execution of the instructions (CO-1)

Q.13 ALU performs micro operations for executing the _____. (CO-1)

Q.14 A _____ is a storage device that stores information is such a manner that the item stored last is the first item retrieved. (CO-1)

Q.15 DRAM stands for _____. (CO-2)

Q.16 ROM can be _____, _____ and _____.(CO-2)
Q.17 DMA stands for _____. (CO-3)
Q.18 I/O Bus consists of ____, ____ and _____. (CO-3)
Q.19 A parallel MIMD systems, communication is essential for ____processing. (CO-4)
Q.20 ____defines the information carrying capacity of the networks. (CO-4)

SECTION-C

Note : Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

Q.21 Explain Instruction format. (CO-1)
Q.22 Explain Hardwired vs. Mirco programmed Control. (CO-1)
Q.23 Describe main characteristics of CISC Architectures? (CO-1)
Q.24 Describe main characteristics of RISC Architectures? (CO-1)
Q.25 Discuss 1) Direct Address Mode, 2) Indirect Address Mode. (CO-1)
Q.26 Explain internal interrupts and external interrupts. (CO-1)
Q.27 Write note on 1) SRAM, 2) DRAM (CO-2)
Q.28 Why virtual memory is used in computer system. (CO-2)
Q.29 Write the components of memory management unit? (CO-2)
Q.30 Write the difference between static RAM and dynamic RAM? (CO-2)
Q.31 Write the functions of BIOS. (CO-3)

Q.32 Write short note on synchronous and asynchronous data transfer. (CO-3)
Q.33 Write difference between programmed I/O and Interrupt I/O. (CO-3)
Q.34 Explain various types of pipelining. (CO-4)
Q.35 Explain Reverse Polish Notation. (CO-4)

SECTION-D

Note : Long Answer type question. Attempt any two questions out of three questions. (2x10=20)

Q.36 Write Note on
1) Explain the characteristics of RISC processor. (CO-1)
2) Explain various page replacement policies. (CO-2)

Q.37 What is DMA? Explain DMA transfer in computer system with the help of diagram. (CO-3)

Q.38 Write note on
1) Discuss characteristics of computer architecture. (CO-4)
2) Explain inter connection of network.

Note : Course Outcome (CO) mentioned in the question paper is for official purpose only.