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220842

Roll No.

**4th Semester/Computer, Computer
(For Speech & 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 CISC Stands for _____.
- a) Complex instruction set Computer
 - b) Computer instruction set computer
 - c) Complete instruction set computer
 - d) None of the mentioned
- Q.2 What is the BIOS's most important role?
- a) Running applications
 - b) Initiating the microprocessor
 - c) Loading the operating system
 - d) None of the above
- Q.3 PUSH and POP operations are performed by _____.
- a) Program counter
 - b) Registers
 - c) General purpose registers
 - d) Stack pointer register

- Q.4 What are the various parts of CPU?
a) ALU b) CU
c) MU d) All of them

- Q.5 RAM stands for _____.
a) Read access memory
b) Random access memory
c) Random accurate memory
d) None of the above

- Q.6 Secondary memory is also known as _____.
a) Main memory b) Primary memory
c) Auxiliary memory d) Access memory

SECTION-B

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

- Q.7 What is cache memory?
Q.8 IN the memory hierarchy, as the speed of the operation increases the memory size also increase. (True/False)
Q.9 Expand MIMD.
Q.10 Which part of the computer is used for calculation and comparing? (ALU/CU)
Q.11 RISC stands for _____.
Q.12 A micro-programmed control unit is slower than hardwired control unit. (True/False)

SECTION-C

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

- Q.13 Write a short note on BIOS.
Q.14 Explain memory hierarchy with diagram.
Q.15 Differentiate between RISC vs CISC.
Q.16 Differentiate between Programmed I/O and interrupt initiate I/O.
Q.17 Define POST and write its functions.
Q.18 Write a short note on associative memory.
Q.19 Differentiate between RAM and ROM.
Q.20 Differentiate between hardwired control and micro programmed control.
Q.21 Write about General Register Organization and its type.
Q.22 Write a short note on primary memory.

SECTION-D

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

- Q.23 What is Instruction Format? Explain various types of instruction formats.
Q.24 Explain in detail different modes of Data Transfer.
Q.25 Write short note on following
a) Synchronous data transfer
b) Asynchronous data transfer