4th Sem. / Comp, IT
Subject : Computer Organization

Time : 3 Hrs.   M.M. : 100

SECTION-A

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

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   CPU also known as _____.
   a) Process   b) Processor
   c) Protect   d) None of the mentioned

Q.3   What is BIOS's most important role?
   a) Running applications
   b) Initiating the microprocessor
   c) Loading the operating system
   d) None of the above

Q.4   PUSH and POP operations are performed by
   a) Program counter
   b) Registers
   c) General Purpose registers
   d) Stack pointer register

Q.5   What are the various part of CPU
   a) ALU   b) CU
   c) MU   d) All of them

Q.6   RAM stands for
   a) Read access memory
   b) Random access memory
   c) Random accurate memory
   d) None of the above

Q.7   Secondary memory is also known as
   a) Main memory   b) Primary memory
   c) Auxiliary memory   d) Access memory

Q.8   WORM means
   a) Write once read many   b) Write only read many
   c) Write one read many   d) None of the above

Q.9   What is POST
   a) Power Once Self Test   b) Power Only Self Test
   c) Power On Self Test   d) None of the above

Q.10 What are the mode of data transfer
   a) Programmed I/O   b) Direct memory access
   c) Interrupt initiated I/O   d) All of the above

SECTION-B

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

Q.11 What is cache memory?

Q.12 In the memory hierarchy, as the speed of the operation increase the memory size also increase. (True/False)

Q.13 Expand MIMD.

Q.14 Define control world.

Q.15 Which part of the computer is used for calculation and comparing? (ALU/CU)

Q.16 RISC stands for _____.

Q.17 _____ is an input device function in C. (Keyboard/Printer)

Q.18 CU means _____ (control unit / centre unit)

Q.19 Write full form of ROM.

Q.20 BIOS stands for _____.

SECTION-C

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

Q.21 Explain RISC and its characteristics.

Q.22 Explain general register organisation.

Q.23 Differentiate between SISD and MISD.

Q.24 Differentiate between Programmed I/O and interrupt initiated I/O.S.

Q25 Define POST and write its functions.

Q.26 Write a short note on associative memory.

Q.27 Differentiate between RAM and ROM. Chips.

Q.28 Differentiate between hardwired control and micro programmed control.

Q.29 Explain BIOS and its functions.

Q.30 Write a short note on primary memory.

Q.31 Differentiate between direct and indirect addressing modes.

Q.32 What are the forms of parallel processing?

Q.33 Write short note on cross bar switch.

Q.34 What are multiprocessors? Explain

Q.35 What do you understand by direct memory access? Explain.

SECTION-D

Note: Long answer questions. Attempt any two questions out of three Questions.   (2x10=20)

Q.36 What is memory hierarchy? Draw diagram of memory hierarchy and explain.

Q.37 Write short note on following:

a) Virtual Memory

b) SIMD

c) CISC

Q.38 Write short note on following

a) Synchronous data transfer

b) Asynchronous data transfer