No. of Printed Pages : 4 220842
Roll No. .....

4th Sem./ Computer, Computer
(For Speech and Hearing Impaired)
Subject : Computer Organisation and Architecture

Time : 3 Hrs. M.M. : 60

SECTION-A

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

Q.1 In case of Single Accumulator Organization all the operations are performed within the (CO1)
a) Register
b) CPU
c) Stack
d) Accumulator Register

Q.2 SISD stands for. (CO4)
a) System Instruction Systeme Data
b) Single Instruction Single Data
c) Sine Instruction Same Data
d) None of the above

Q.3 Process of establishing a connection between two devices is (CO5)
a) Handshaking b) Network
c) Stack d) Data transfer

Q.4 The technique in which memory unit can be accessed directly by I/O module is (CO3)
a) Secondary Memory b) DMA
c) RAM d) BIOS

Q.5 Zero Address Instruction can be used in (CO1)
a) Stack
b) General Register Organization
c) RISC
d) Single Accumulator Organization

Q.6 BIOS stands for
a) Basic Input Output System
b) Bidirectional Input Output System
c) Basic interface Input Output System
d) None of the above

SECTION-B

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

Q.7 LIFO stands for_____. (CO1)

Q.8 CISC stands for_____. (CO1)

Q.9 _____ organization uses Zero Address. (CO1)

Q.10 A Microprogrammed control unit is slower than hardwired control unit. (T/F) (CO1)

Q.11 DVD stands for_____. (CO2)

Q.12 Bootstrap Loader is a function of BIOS. (T/F) (CO3)

SECTION-C

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

Q.13 Explain BIOS and its functions. (CO3)

Q.14 Differentiate between Hardwired and Micro programmed Control. (CO1)

Q.15 Explain Stack Organization with the help of diagram. (CO1)

Q.16 Write a note on DMA data transfer. (CO3)

Q.17 List Flynn's classification of parallel computers. (CO4)

Q.18 Elaborate basic characteristics of multiprocessor. (CO4)

Q.19 Define pipelining and parallel processing. (CO5)

Q.20 Define control word and its fields. (CO1)

Q.21 List types of Instruction formats. (CO1)

Q.22 Explain Accociative Memory with the help of diagram. (CO2)

SECTION-D

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

Q.23 Explain RISC and CISC. List their characteristics. (CO1)

Q.24 Explain different modes of Data transfer. (CO3)

Q.25 Write a note on :-

a) Addressing mode (CO1)

b) Memory hierarchy (CO3)