

Roll No. 2292300309

Total No. of Questions : 6]

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**EXS-216**

**B.Tech. IV<sup>th</sup> Semester (New Scheme) CSE**

**Examination, 2023**

**Computer System Organization**

**Paper - CS-405**

**Time : 3 Hours]**

**[Maximum Marks : 60**

**Note :-** Attempt all question. All questions carry equal marks.

There are internal choices between Ques. 2 to Ques. 6.

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(1)

P.T.O.



1. Explain Briefly:

2×5=10

- (a) I/O Devices
- (b) Instruction set
- (c) Multiprocessor
- (d) Memory
- (e) CISC

Unit-I

2. (a) What are function of ALU? Explain. 10

(b) Explain instruction Executions and its techniques?

OR

(a) Define processor Organization in computer organization?

(b) Explain Multi Level of computer and its features?

Unit-II

3. (a) What are the advantages of memory properties? 10

(b) Explain Associative memory and its advantages?

OR

- (a) What are properties of RISC? Explain.
- (b) Write down the function of machine level language?

Unit-III

4. (a) Explain the services of programmed I/O with its example? 10

(b) Explain parallel communication with suitable diagram?

OR

(a) Explain I/O interfaces with suitable architecture?

(b) Define computer buses architecture with example?

Unit-IV

5. (a) Explain what is Micro programmed control Unit? 10

(b) Explain Micro instruction with its advantages.

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(2)

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(3)

P.T.O.

new micro. instr. v/m.

ass.



**OR**

- (a) What is process of Micro Architecture level ? Explain ?
- (b) Explain concepts Hardwired control Unit ?

**Unit-V**

- 6. (a) What is multithreading ? Explain. 10
- (b) Explain concepts of multithreading with example ?

**OR**

- (a) Explain Hazards of pipelining with example ?
- (b) What is mean Exception Handling ? Explain with its characteristics.

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