

Computer Organization and Architecture (3340705)

Unit :- 1
(Computer architecture & Register Transfer & Micro operation)

1. Explain Bus System & Memory management System?
2. Define Register Transfer language & Explain important in brief
3. Explain Arithmetic Micro Operation with example.
4. Explain logical arithmetic Micro operation.
5. Explain Shift Micro Operation in brief.

Date of Submission: 17/01/2017

Unit: - 2
(Basic Computer Organization)

1. Draw and Explain Control Unit of basic Computer
2. Explain execution AND & BSA & LDA instruction.
3. Draw flowchart of instruction Cycle
4. Explain I/O instruction
5. Explain Program Interrupt.

Date of Submission: 30/01/2017

Unit: - 3
(Central Processing Unit)

1. Draw and Explain Bus Organization Seven CPU Register.
2. Explain control word with example.
3. What is Reverse Polish Notation Explain with example?
4. Explain Direct And Indirect Address.
5. Explain Addressing mode with example
6. Explain Instruction Formate.

Date of Submission: 24/02/2017

**Unit :- 4
(Memory Organization)**

1. Explain Cache Memory with Hit ratio and mappings
2. Explain Virtual Memory
3. Define one Architectural method to implement cache memory
4. Explain Principal of locality of reference with reference to cache memory.
5. Write Short note on Performance parameter of cache memory.
6. Write short note on memory classification
7. Explain Main Memory & Secondary memory
8. What is Cache Memory
9. Classify various types of memory on the basis of the material used.
10. Explain RAM, ROM, PROM, and EPROM.
11. Explain Memory Hierarchy
12. Explain Working of Associative memory
13. Explain direct mapping of cache memory
14. Explain Auxiliary Memory.
15. Explain main memory

Date of Submission: 17/03/2017

**Unit: - 5
(Input Output Organization)**

1. Explain "I.O.P" Term.
2. Explain CPU -IOP communication with block diagram
3. Explain Synchronization & Synchronization data transfer
4. Describe Strobe Control with help of source initiated strobe for data transfer
5. Describe Strobe Control with help of Destination initiated strobe for data transfer
6. Explain method of Synchronization data transfer

Date of Submission: 10/04/2017