



OMEGA PG COLLEGE – MCA(CC:2174)

APPROVED BY AICTE, AFFILIATED TO OSMANIA UNIVERSITY, HYDERABAD
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Paper Code – PCC 104

Course: Computer Architecture
(IMPORTANT QUESTIONS)

Unit-1

1. Define Data Representation and its data types?
2. Explain about Floating point Representation?
3. Discuss about Fixed point Representation?
4. Write about Bus interconnection and Bus Structure?

Unit-II

1. Define Register Transfer Micro operations its types ?
2. Explain about Register Transfer language?
3. Discuss about Memory Transfer and its types?
4. Elaborate Instruction Codes and Computer Registers?
5. Explain instructions Cycles and Memory reference Instructions?

Unit-III

1. Discuss about Instruction formats and its role?
2. Explain Address Sequencing?
3. Define Control Memory and its types?
4. Elaborate Address Modes?

Unit-IV

1. Explain in detail Memory Hierarchy?
2. Discuss about Main memory?
3. Write about Virtual Memory?
4. Elaborate Cache Memory?

Unit-V

1. Discuss about Peripheral Devices?
2. Explain Synchronous data Transfer?
3. Write in detail Asynchronous data Transfer?
4. Explain about Direct Memory Access?
5. Write about Serial Communication and data transfer and manipulation?