

**Dronacharya College of Engineering, Gurgaon**

**Department of Electronics and Computers Engineering**

**Subject: Computer Architecture & Organization (CSE-210-F)**

**Semester: IV/ Branch: ECS**

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**Short Answer questions**

**Section A**

1. How is MIPS used as a performance metric?
2. What is cache memory?
3. What do MISD and MIMD stand for?
4. What is a multiplexer? Give the diagram of 2:4 mux.
5. What are sequential logic blocks?
6. Give the memory hierarchy.

**Section B**

1. What is the difference between RISC and CISC?
2. Give examples of arithmetic & logical operations.
3. What is direct addressing mode? Give example.
4. What is instruction set format?
5. What is hybrid instruction set?

**Section C**

1. What are the different types of cache organization?
2. What is access/cycle time memory parameter?
3. What is microinstruction sequencing?
4. What is dynamic memory?
5. What is the function of cache memory?
6. What is pipelining?

## **Section D**

1. What is Amdahl's law?
2. What is parallelism?
3. What are the goals of parallelism?
4. What are the different types of instructions?
5. What does address sequencing mean?
6. Name the different types of interrupts.
7. What is I/O reference?