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Enroll No.....

CS-103

M.Tech. (CSE)–I Sem. (Reg./Ex.)

Examination, March.-2021

Advanced Computer Architecture

Time: Three Hours

Maximum Marks:70

Note: Attempt any five questions. (Each question carries equal marks)

- Q.6 What is Cache Coherence Protocol? Explain Goodman's write one Cache Coherence Protocol.
- Q.7 Explain the architecture of shared memory and distributed memory MIMD systems.
- Q.8 Write short note on:
- (a) Von-Neumann Architecture
 - (b) SIMD Super Computer.

- Q.1 Define the Computer Architecture. Explain the Flynn's classification with the help of diagram.
- Q.2 (a) Compare RISC & CISC scalar processors.
(b) Explain data path and its control in detail.
- Q.3 State the CPU performance equation and discuss the factor that affects performance.
- Q.4 What are inclusion property and memory coherence requirements? Distinguish between write through & write back policies.
- Q.5 Distinguish between Vector and Array processors.