Code: 9A05406

B.Tech II Year II Semester (R09) Supplementary Examinations December/January 2014/2015
COMPUTER ORGANIZATION
(Common to CSE & ECC)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks
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1 (a) How to improve the performance of the computer?
   (b) Explain about communication topologies used in multiprocessors.

2 (a) Explain about the arithmetic micro operations.
   (b) Explain about the different types of addressing modes.

3   Discuss in detail the design of control unit with block diagram.

4 (a) Explain addition and subtraction algorithm for floating-point data.
   (b) Explain division algorithm for floating-point data.

5 (a) Write short notes on DVD-Rom and DVD-Audio.
   (b) Explain the different features of the DVD formats.

6 (a) Give features of IEEE 1394 bus.
   (b) Draw and explain the block diagram of I/O interface.

7 (a) Explain the need for vector processing.
   (b) Explain the general instruction format of the vector processor.

8   Discuss the Cache Coherence in the centralized share memory architecture.

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