

Code: 9A05406

R09

B.Tech II Year II Semester (R09) Regular & Supplementary Examinations June 2014

COMPUTER ORGANIZATION

(Common to ECC & CSE)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 (a) Write a note on performance measure.
(b) Explain basic operational concepts of a computer with neat diagram.
- 2 Draw and explain the flow chart for instruction cycle.
- 3 (a) Discuss in detail the binary micro program.
(b) What are the functions of control unit in a digital computer?
- 4 (a) Explain non restoring method of division with a simple example.
(b) With the help of a flow chart explain the division operation.
- 5 (a) Explain the concept of bit representation on the magnetic disk.
(b) What are the important characteristics of a magnetic disk?
- 6 (a) What is DMA? Explain the transfer of data from memory to I/O device with the help of a flow chart.
(b) Explain the limitations in programmed I/O and interrupt driven I/O.
- 7 Explain the two phases instruction fetch and execute .
- 8 (a) Explain memory update policies to prevent cache coherence problem.
(b) Discuss on the advantages of loosely coupled systems.
