Code: CS3T4, IT3T2

II B.Tech - I Semester – Regular Examinations – December 2014

COMPUTER ORGANIZATION

(Common for CSE, IT)

Duration: 3 hours	Marks: 5x14=70	0
Answer any FIVE questions.	All questions carry equal mark	KS
1 a) What is a micro-operation	n? Explain RTL.	4 M
b) Explain various Arithmet circuit to implement.	tic microoperations and draw a	0 M
2 a) Explain any four memory detail.		6 M
b) Explain instruction cycle	with the help of a flow chart.	8 M
3 a) Explain address sequenci unit.	ing in microprogrammed contro	ol 6 M
b) Explain various addressin	ng modes.	8 M
4 a) Explain the addition and data with a flow chart.	subtraction with signed-magnit	ude 6 M
b) Explain Booth's multiplie	cation algorithm with an examp	ole. 8 M

5 a) Explain memory hierarchy.	4 M
b) Explain Associative memory in detail.	10 M
6 a) Explain various modes of data transfer.	7 M
b) Explain DMA in detail.	7 M
7 a) Explain Instruction pipeline.	7 M
b) Explain the concept of parallel processing.	7 M
8 a) Briefly explain any three Inter-connection structu in multiprocessor systems.	ıres used 7 M
b) Write a short notes on Inter-process communication.	on and 7 M