PVP 12

Code: **CSCS1T5**

I M.Tech-I Semester-Regular Examinations-March 2014

OPERATING SYSTEMS

(COMPUTER SCIENCE & ENGINEERING)

Duration: 3 hours Marks: 5x14=70

Answer any FIVE questions. All questions carry equal marks

1 Explain the evolution of OS. 14 M

2 a) What is the difference between process and thread? Explain the user level and kernel level threads. 7 M

b) What are the steps performed by an OS to create a new process? 7 M

3 a) Explain the Readers/Writers problem. 8 M

b) What is monitor? Explain the structure of a monitor. 6 M

4 a) Explain about resource allocation graph with and without deadlocks and give examples. 7 M

b) Explain the deadlock detection algorithm. 7 M

5	a) Explain the paging techniques with examples.	7 M
	b) Explain the address translation in segmentation.	7 M
6	a) Explain SJF and Priority scheduling algorithms with examples.	8 M
	b) Explain about real time scheduling.	6 M
7	a) Explain about various RAID Levels.	7 M
	b) Explain about five file organizations.	7 M
8	a) Explain about the classification of intruders.	5 M
	b) Define virus, worm, logic bomb and Trojan horse.	4 M
	c) Explain various password selection strategies.	5 M