Code No.: 6211

FACULTY OF ENGINEERING B.E. 2/4 (CSE) II Semester (Supple.) Examination, December 2009 OPERATING SYSTEMS

Time: 3 Hours] [Max. Marks: 75

Note: Answer all questions from Part A. Answer any five questions from Part B.

	PART – A	(25 Marks)
1.	What are two events can cause a process to loose control of the process	or? 2
2.	Differentiate between preemptive and non-preemptive scheduling.	24
3.	What elements are typically found in a page table entry? Briefly define ea	ch element. 3
4.	Discuss the criteria for choosing a file organization.	2
5.	What is binary semaphore? Where binary semaphore is used?	3
6.	Give the necessary conditions for occurrence of deadlock.	3
7.	What is I/O buffering? Explain different types of buffers.	3
8.	What is the advantage of SSTF algorithm over simple scan algorithm?	3
9.	List the different types of I/O in UNIX.	2
0.	List the objects of windows concurrency.	24
	PART - B	(50 Marks)
1.	a) Describe the concept of Process and Process Control Block (PCB).	4
	b) Discuss the short term, medium term, long term scheduling process.	6
12.	a) Describe various file allocation methods.	3
	b) Write short notes on inverted page table.	5
13.	a) How the deadlocks can be avoided? Explain with the help of necessary	ry
	algorithm.	6
	b) What are the necessary requirements for mutual exclusion?	4
This	s paper contains 2 pages)	P.T.O.

	a) Distinguish between STREAMS driver and STREAMS module.
	b) Write about any two file allocation methods.
15.	a) Explain about process management in Linux.
	b) Explain about Windows XP labeled architecture.
16.	Write short notes on any two: (5+5)
	a) Distributed operating system.
	b) Swap-space management in disks.
	c) Segmentation with paging.
17.	a) Explain different ways of recovery from deadlocks.
7, 1	b) Differentiate between system call and library routine.
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	12. a) Describe where it was a series and control of
	b) Write such a steel control of the
·	13. a) How the abudious some a called heispite a with the trapposition and world a specific
	b) What are the necessary requirement of at unitable code con-
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