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BICS-026

B.Tech. COMPUTER SCIENCE AND ENGINEERING (BTCSVI)

Term-End Examination

June, 2013

BICS-026 : UNIX INTERNALS AND SHELL PROGRAMMING

Time : 3	3 hours	Maximum Marks : 70			
Note :	Answer any seven questions.	All questions	carry	equal	
	marks				

- Explain the Architecture of the UNIX Operating 10 System.
- Write down the advantages and disadvantages 10 of the buffer cache.
- 3. Explain the Algorithm for Assigning new nodes. 10
- Explain the "Open" operation and algorithm in 10 file systems.
- Explain mounting and unmounting the file 10 system.

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6.		it are the process states and transitions ? ain with neat sketch.	10
7.		the process creation is performed ? Explain example.	10
8.	Disc	uss the following :	
	(a)	Process Termination	5
	(b)	Changing the size of the process	5
9.	Expl	ain C shell and Bourne shell ?	10
10.	Explain <i>any two</i> of the following : 5x2=10		
	(a)	INIT Process	
	(b)	Network Communication Socket	
	(c)	Distributed UNIX System	