INSSA

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B.Tech. - VIEP - COMPUTER SCIENCE AND ENGINEERING (BTCSVI)

Term-End Examination

December, 2015

BICS-026 : UNIX INTERNALS AND SHELL PROGRAMMING

Time : 3 hours

Maximum Marks: 70

P.T.O.

BICS-026

Note: Answer any seven questions. All questions carry equal marks.

1.	Explain C shell and Bourne shell with their salient features.	10
2.		10 10
3.	Explain mounting and unmounting the file	
	systems.	10
4.	Write shell scripts for the following : 5-	+5
	(a) To find the factorial of a given number.	
	(b) To delete all the files of size 10 to 20 kilobytes from current working directory.	
5.	Explain the algorithm for assigning new nodes.	10
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6.	Discu	iss the following :	5+5	
	(a)	Process Termination		
	(b)	Changing the size of the process		
7.	What is Paging ? Explain how the addresses are mapped in paging, with the help of a block			
	diagr		10	
8.	Brief	ly explain the allocation of disk blocks.	10	
9.	Explain the structure of a regular file with a neat sketch. 10			
10.	Expl	ain the following :	5+5	
	(a)	Distributed UNIX System		
	(b)	Network Communication Socket		

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