Code No: **R32054**   # R10   Set No. 1

III B.Tech II Semester Supplementary Examinations, April - 2017
UNIX PROGRAMMING
(Common to CSE and IT)

Time: 3 hours   **Max. Marks: 75**

Answer any FIVE Questions
All Questions carry equal marks
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1	a)	Write and explain the characteristics of Unix Operating System.	[8]
	b)	Discuss in detail the various modes of operations supported by vi editor.	[7]
2	a)	Give brief description about shell meta characters.	[7]
	b)	Write a shell script to find the largest number from four numbers. [E.x: 12 , 8, 5, 19: 19 is largest]	[8]
3	a)	Distinguish between getc( ), getch ( ), getchar( ) and gets( )	[8]
	b)	Discuss about the directory handling system calls.	[7]
4	a)	Describe the role of process identifiers in process control.	[8]
	b)	List the advantages and disadvantages of fork, vfork, exec and exit function calls.	[7]
5	a)	What is a signal? Why we need them? Explain signal function in detail.	[8]
	b)	Give brief description about interrupted system calls.	[7]
6	a)	How can we achieve inter process communication by using FIFOs. Explain.	[8]
	b)	How the different types of inter process communication differs from each other. Explain.	[7]
7	a)	Discuss in detail about locking of regions.	[7]
	b)	Which system call is used to create shared memory segment and explain it in detail.	[8]
8		With the help of a neat sketch explain the various system calls involved in TCP/IP socket calls.	15