## END TERM EXAMINATION

	FIFTH SEMESTER [BCA] DECEMBER 2010
Paper Code: BCA305 Subject: Linux Environment Paper ID: 20305	
Tim	ne: 3 Hours Maximum Marks: 7
	Note: Attempt all questions including Q.1 is compulsory. Internal choice is indicated.
Q1	Explain briefly:- (5x3=15) (c) chmod (d) sort (e) grep (d) pipes
	(e) interrupt handling
	UNIT-I
Q2	Attempt any three parts from the following:- (3x5=15
•	What is the difference between inode structure and file structure?  Explain file structure in detail.  (b) What is a system call? How does it work?  (c) How can we convert linear address to physical address in architecture independent model?  (b) Why virtual memory area is needed? What are the components of it?
	UNIT-II
Q3	Attempt any three parts from the following:- (3x5=15)  (a) How debugging can be done in LINUX? Explain? (b) Write short notes on:- (ii) Message Queues (iii) Shared Memory (c) What is Socket? How data can be exchanged using sockets? (d) Explain data structure provided by LINUX for semaphores.
	TIME TIE
Q4	Attempt any three parts from the following:-  (a) How file system mounting can be done in LINIUX?  (b) What are the different operations an inode structure had? Emplair any four operations?  (c) What is the difference between Proc and Ext2 file systems?  (d) Explain Kernel daemon process.
Q5	Attempt any two parts from the following:-  (2x7.5=15)  (2x7.5=15)  (2x7.5=15)  (b) Write short notes on the following:-  (ii) Kernal Initialization
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(c) What are the problems with multiprocessing system? Explain.

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