8R1	8R 8R 8R	8R	8R	8
Code	No: 127EE JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY B. Tech IV Year I Semester Examinations, May/June	R15 HYDERABA - 2019	D	
\mathbb{SR}_{Time}	LINUX-PROGRAMMING (Computer Science and Engineering)	S Nax. Ma	Onrks: 75	8
Note:	This question paper contains two parts A and B. Part A is compulsory which carries 25 marks. Answer all Part B consists of 5 Units. Answer any one full question from ea	questions in ch unit. Each	Part A. question	
8R	carries 10 marks and may have a, b, c as sub questions. PART- A	$\mathbb{S}\mathbb{R}$	Marks)	8
1.a) b) c) d)	Explain briefly about Associative Arrays. Write a short note on Disk Utility. What is a Regular File in UNIX System? Write a short note on "Iseek". Differentiate between Threads and Processes.	2 D	[2] [3] [2] [3] [2]	9
() () () () () () () () () ()	Write a short note on Environment Variables. Write a short note on IPC. Explain briefly about "popen" library function. What is a Socket? Write a short note on "fcntl" system call.	OIN.	[3[) [2] [3] [2] [3]	
8R	8R 8R 8P 8P	\mathbb{S} \mathbb{R} (50	Marks)	8
2.	Explain in detail about Text Processing Utilities and Backup Utilit OR	ies.	[10]	
3.a) b)	Write a detailed note on Shell Responsibilities. Explain in detail about Shell Meta Characters.		[5+5]	
84.7	Explain in detail about following File Operations: a) open b) creat c) read OR	8R		8
5.	Explain in detail about File Ownership Commands.		[10]	
6.	Explain in detail about Process Creation Mechanism.		[10]	
87.	Write a detailed note on following functions: a) kill b) raise c) alarm d) pause	8R		8
8.a) b)	Discuss about Kernel support for Message Queues. Demonstrate client/server communication using message queues. OR		[5+5]	
		O's.	[5+5]	

8R	8R	8R	8R	8R	8R	8R	8
S P ^{10.}	protocol	o dk	t System Calls for OR or Shared Memor	3H	ented and Conne	ection-less [10]	8
8R	8R	8R	οοΩοο	88	8R	8R	8
8R	8R	8R	8R	8R 1	8R	8R	8
8R	8R	8R	8R	8R	8R	8R	8
8R	8R	8R	8R	8R	8R	8R	8
8R	8R	8R	8R	8R	8 ¹ R	88	8
8R	8R ,	1 18R	8 R	8 8	8 R	8. 8.	2