Seat No.:	Enrolment No
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## **GUJARAT TECHNOLOGICAL UNIVERSITY**

## **BE - SEMESTER- VIII EXAMINATION - SUMMER 2015**

Subject Code: 181106 Subject Name: DEVICE DRIVER WRITING (D.EII) Time: 10.30AM-01.00PM Instructions:  Date: 05/05/2 Total Marks: 'A			Date: 05/05/2015	
		70		
		Attempt all questions.  Make suitable assumptions wherever necessary.  Figures to the right indicate full marks.		
Q.1	(a) (b)	Enlist few Basic commands of Linux. Explain Foreground & background with proper examples.	07 07	
Q.2	(a) (b)	What is Shell Script? Explain with suitable example.  Give the details of Stack, Queue and Trees in details.  OR	07 07	
	<b>(b)</b>	Complexity, Debugging & optimization in Data Structure.	07	
Q.3	(a) (b)	Give the introduction of kernel in details.  Explain Setting up the cross compilation tool chain on host machine.  OR	07 07	
Q.3	(a) (b)	Describe the directory structure in Kernel? Explain Device Driver Concept?	07 07	
Q.4	(a) (b)	Explain User Space Driver APIs. How Loadable Modules Work.	07 07	
Q.4	(a) (b)	OR Explain Compiling, Loading And Exporting. Give the details of Blocking and Wait Queues.	07 07	
Q.5	(a) (b)	What are the Handling interrupt? Explain the Network Driver s in Details.	07 07	
Q.5	(a) (b)	OR  Explain the procedure of Booting panda Board.  Explain the Implementation of UART Driver or Network Driver in details.	07 07	

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