Hall	Ticke	et Number :				
Code	Code: 4G163					
	I B.T	Tech. II Semester Supplementary Examinations December 2017				
		Linux Programming				
Mary		(Common to CSE & IT)				
-		arks: 70 all five units by choosing one question from each unit (5 x 14 = 70 Mark				
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1.	a) Þ	What is file? Explain different file types in LINUX.	7M			
	b)	How are security file permission handled in LINUX. OR	7M			
2.	a)	What is sed? Explain its commands and operations.	7M			
	b)	Illustrate the string function in awk. Explain its application.	7M			
	,					
3.	a)	Describe about shell meta characters in detail.	7M			
	b)	Write a shell program to check whether given number is odd or even.	7M			
		OR				
4.	a)	Write a shell program to find the sum of N odd numbers.	7M			
	b)	Explain briefly about the shell function.	7M			
5.		UNIT-III	7M			
5.	a) b)	Explain various file library functions. Discuss the importance of kernel support for files.	7M			
	0)	OR	7 101			
6.	a)	Explain with example any four file commands used in LINUX.	7M			
	b)	Explain the following file descriptors with an example.				
		• read()				
		write()open()				
		 close() 	7M			
		UNIT-IV				
7.	a)	Explain briefly process API's.	7M			
	b)	Define a signal. Explain any four signal with syntax and example.	7M			
		OR				
8.	a)	 Explain the following: Process control 				
		 Process control Process termination 	7M			
	b)	Briefly explain various signal functions.	7M			
		UNIT–V				
9.	a)	What are the functions of semaphore? Explain in detail Unix system V API's for semaphore.	7M			
	b)	· · · ·				
		Pipes				
		FIFO	714			
		Shared memory OR	7M			
10.	a)	Discuss the importance of kernel support for semaphore.	7M			
	b)	Explain Unix system V API's for message queues.	7M			
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	Hall	I Ticket Number :										
ļ	Cod	e: 4G463										
	III B.Tech. II Semester Supplementary Examinations December 2017											
Object Oriented Analysis and Design												
(Common to CSE & IT)												
Max. Marks: 70 Time: 3 Hours												
Answer all five units by choosing one question from each unit (5 x 14 = 70 Marks)												
		UNIT–I										
1.	a)	What are the advantages of Object Oriented over traditional development methodologies in	714									
	b)	Software development? How USDP is different from Water Fall and Iterative Process. Explain in detail different	7M									
	0)	activities in the USDP Process.	7M									
_		OR										
2.	a)	Differentiate between Rational Unified Process (RUP) and USDP.	7M									
	b)	What do you mean by Behavioral Modeling? Explain.	7M									
3.	a)	UNIT–II Write notes on analysis packages and dependencies along with example.										
5.	a) b)	Discuss about different types of Cohesion and Coupling.	7M 7M									
	5)	OR	7 101									
4.	a)	Explain why encapsulation, inheritance, and polymorphism are three important										
	ь)	characteristics of object-oriented systems. Give a detailed note on Super-sub class relationship and a-part-of relationship with an example.	7M									
	b)		7M									
5.	a)	Explain the requirements modeling through use case diagram along with example for										
5.	a)	maintenance of Library Management System activities.	7M									
	b)	Explain about different stereotypes used in Use Case modeling with suitable examples.	7M									
		OR										
6.	a)	How analysis is different from Design? Describe the UML concepts and symbols used to draw a Class diagram.	7M									
	b)	Write a short note on class concepts involving Aggregation, Composition, Association and										
		Generalization relationships.	7M									
7.	2)	UNIT-IV Differentiate between Activity and state explain with example.										
7.	a) b)	What is the purpose of Activity diagrams, list out each element used in Activity diagrams	7M									
	5)	along with example?	7M									
_		OR										
8.	a)	Explain in detail the syntax, notations and management approaches used to draw the Interaction sequence diagrams.	7M									
	b)	Draw a State Diagram, Activity Diagram and Package Diagram for Bank ATM System.	7M									
		UNIT-V										
9.	a)	Give out the syntax and UML notation for Deployment diagram with an example.	7M									
	b)	Discuss about various dependencies between software components deployed in Software.	7M									
		OR										
10.	a)	Explain in detail about the UML syntax and notation to draw a Component Diagram.	7M									
	b)	What do you mean by Pattern Catalogue? Mention pattern languages and explain in detail Analysis patterns.	7M									

Code: 46164 III B.Tech. II Semester Supplementary Examinations December 2017 Computer Graphics (Cormon to CSE & IT) Max. Marks: 70 Time: 3 Hours Answer all five units by choosing one question from each unit { 5x 14 = 70 Marks } ITIME: 3 Hours Answer all five units by choosing one question from each unit { 5x 14 = 70 Marks } ITIME: 3 Hours Answer all five units by choosing one question from each unit { 5x 14 = 70 Marks } ITIME: 3 Hours Answer all five units by choosing one question from each unit { 5x 14 = 70 Marks } ITIME: 3 Hours Answer all five units by choosing one question from each unit { 5x 14 = 70 Marks } ITIME: 3 Hours INIT: III INIT: III 1 INIT: III	Hall	Ticke	et Number : R-14	
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