P15MCEN331			Page No 1						
		U.S.N							
<b>N</b> a 1 a.	(An Autonom Third Semester,	<b>UNIT - I</b> the two fundamental appr amples:	d to VTU Engine - 2017/. g estion from roaches us	I, Bela ering Jan - 2 n each	gavi) (MCE 2018 <u>Max</u> unit. lentify t	n <b>)</b> . Mari		<u>00</u> 10 10	
2 a.	State the improved version of	,	,			,		gle	
	problems with at least 6 test	cases. Discuss the results.						10	
b.	Write a pseudo-code for next date problem and explain with at least 5 test cases. Discuss the results.								
		UNIT - II							
3 a.	Define the following with examples:								
	i) Defining mode	ii) Usage node		iii) P-	use, C-ı	ise		10	
	iv) Definition-Use path	v) Definition-Clear	path.						
b.	Discuss slice-based testing with an example.								
4 a.	Develop a decision table for next date function and list atleast 10 test cases.							10	
b.	With an example, illustrate call graph-based integration.								
		UNIT - III							
5 a.	Explain the basic concepts for requirement specification.						10		
b.	Explain class testing for the currency conversion program considering methods as units.						10		
6 a.	Write the rules about threads and processors to be followed to develop taxonomy of interactions.						of 10		
b.	Consider the object oriented currency conversion application and explain the data flow testing.							ow 1(	
		UNIT - IV							
7 a.	With diagrams, write the M calendar software.	M-path to instantiate Nov	vember 18	8, 1999	for an	object	orient	ted 1(	
b.	Explain system testing for G	UI applications with exam	ples.					10	
8 a.		xplain object-oriented data flow integration testing with an example.						10	
b.	Explain integration testing for	or GUI applications with e	xamples.					1(	

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## UNIT - V

9 a.	Write a note on exploratory testing with an example.	10
b.	Explain model based testing considering an appropriate example.	10
10 a.	Explain test driven development and automated test execution with an example.	10
b.	Discuss use case based testing and different types of use case-based testing with an example.	10

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