Roll No.	
ROLL IVO.	
24424	
B. Tech. 7th Semester (EE)	
Examination – May, 2019	2
COMPUTER APPLICATIONS TO POWER SYSTEMANALYSIS	M
Paper : EE-409-1	
Time : Three Hours] [Maximum Marks	: 100
Before answering the questions and idates should ensure that the been supplied the correct and complete question paper. No complete is regard, will be entertained after examination.	
Note: Attempt any five questions, selecting at least question from each Section. Question Number compulsory. All questions carry equal marks.	
1. (a) What is Contingency analysis in Power System	? 20
(b) What is Bus incidence matrix?	
(c) Discuss Security analysis.	
(d) What is Ferranti effect?	
SECTION - A	
2. (a) Explain components of Power System.	10
(b) Describe Performance of Transmission line.	10

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	(b)	Discuss growth of power system.)	
SECTION - B				
4.	(a)	Describe Formulation of Y bus using singular transformation.		
	(b)	Explain Gauss Seidal method for Load flow Study.		
5.	(a)	Explain Decoupled Load flow studies.	0	
	(b)	Describe Load flow study of distribution system. 10	0	
SECTION - C				
6.	(a)	Explain Sequence networks for synchronou machine.		
	(b)	Describe considerations of pre fault currents.	0	
7.	Exp	plain digital techniques in fault calculations.	0	
SECTION - D				
8.	Dis	cuss RTU. Explain SCADA system in detail.	0	
9.	(a)	27	s 0	
	(b)	1 ,	n 0	

3. (a) Describe Contingency analysis in detail.

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