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Code: 15EC01T

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I Semester Diploma Examination, April/May-2018

CONCEPTS OF ELECTRICAL AND ELECTRONICS ENGINEERING

	222110	
Tim	e : 3 Hours [Max. Marks : 10	00
Note	: (i) Answer any six questions from Part—A. ed By:	
	(ii) Answer any seven questions from Part $-\mathbf{B}$.	
	nom rait – B.	
	- 40년 1월 1일	
	O PART – A	
1.	Define Electric current and voltage. Write their SI units.	5
2.	Doffin Ol	
2.	Define Ohm's law. What are the three forms of Ohm's law? FOXY OR	A
2		
3	State and explain Faraday's laws of Electro magnetic induction.	
	DETA CONCOLE	5
4.	Draw AC voltage waveform and mark the parameters given below:	
	(a) Amplitude (b) Time period	5
	(c) Cycle (d) Peak to peak value	
	pour value	
5.	Compare between single phase and three phase AC supply.	
	Phase AC supply.	5
6.	List different types of transformers and write their applications.	
	and write their applications.	5
7.	Explain the need of spike busters for protection of computer components.	
	protection of computer components.	5
8.	What is rectifier and list different types.	
	Entropes.	5
9.	List the ideal characteristics of Op-amp.	
	or op-amp.	5

Find: (i) Inductive reactance

(ii) Impedance of a circuit at 50 Hz.