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V Semester Diploma Examination, Nov./Dec. 2017

POWER ELECTRONICS

Tin	ne : 3 Hours	[Max. Marks : 100
Not	(i) Answer any six questions from Part-A. E (ii) Answer any seven questions from Part-B	
	PART – A	
1.	List the types of power transistors and their applic	BETA CONSOLE!
2.	Explain the principle of phase control with wavefor	Dipioma - [Ali Branches]
3.	List the differences between MOSFET and BJT.	Beta Console Education 3-3-5
4.	Explain the methods of turn-on of SCR.	5
5.	Define: (a) Reliability (b) MTBT (c) Rating of SCR	Diploma Question Papers [2015-19] Beta Console Education 5
6.	Draw the circuit diagram of single phase Dual coroperation.	everter and explain the principle of 5
7.	List the sources and effect of Power line disturbance	ees. 5
8.	Explain speed control of shunt wound DC motor by	armature control method. 5
9.	Draw the circuit diagram and explain the operation couples.	of DC solid state relay using opto 5
	1 of 2	Turn over
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