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## V Semester Diploma Examination, Nov./Dec.-2018

## **POWER ELECTRONICS**

Tim	e : .	3 H0	urs	Max. Marks : 100
Note	:	(i)	Answer any six questions from Part-A. Answer to ea	ch question carries 5 marks.
		(ii)	Answer any seven questions from Part-B. Answer marks.	to each question carries 10  BETA CONSOLE!
			PART – A	Diploma - [All Branches
1.	Lis	st the	types of power diodes and their applications.	Beta Console Education  3-
2.	Co	mpar	e power MOSFET with power BJT.	5
3.	Ex	plain	line commutation and forced commutation.	Diploma Question Papers [2015] 19] 5 Beta Console Education
4.	De	fine l	Reliability and MTBF of SCR.	5
5.	Ex	plain	the types of power Electronic converters.	5
6.		stingt SI).	aish between Voltage Source Inverter (VSI) and (	Current Source Inverter 5
7.	Lis	st the	sources and effects of power line disturbances.	5
8.	Ex	plain	the operation of thyristor switched capacitors.	5
9.		aw thupler	ne circuit and explain the operation of DC Solid	State Relay using opto 5
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