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Coae :	1211174	

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Register						
Number				=		

IV Semester Diploma Examination, Nov./Dec.-2018

INDUSTRIAL ELECTRONICS

Time: 3 Hours]

[Max. Marks : 100

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Answer any six questions.

1.	Differentiate between SCR and TRIAC.	5
2.	Explain the working of TRIAC. FOXY	5 ∩R∩
3.	Explain single line diagram.	<i>_</i>
4.	Explain ladder diagram.	5
5.	Explain flow switch with a neat diagram.	5
6.	Explain any two manually operated switches.	5
7.	Explain the working of temperature & pressure switch.	5
8.	Explain the operation of brushless DC motor.	5
9.	Explain DC servomotor with its characteristics.	5

[Turn over

PART – B

Answer any seven full questions.

10.	Explain the working of single phase controlled full wave rectifier widiagram and waveforms.	th circuit
11.	Explain the working of series and bridge invertor.	10
12.	Explain the working of SMPS with diagram.	10
13.	Published By:	10 $5 + 5 = 10$
	(i) Solid state contactor	
	(ii) Magnetic motor starter	
14.	Explain the operation of	5 + 5 = 10
	(i) Electromechanical relay	, ,
	(ii) Solid state electronic timer	- 2
15.	Explain the operation of solenoid with diagram. FOXY ORO BY BETA CONSOLE	10
16.	Explain the speed control of DC motor with diagram.	10
17.	Explain DC drive system with neat diagram.	10
18.	Develop control circuit and load circuit for	.
	(i) ON/OFF switch using two wire method.	5+5=10
	(ii) To rotate motor both in clockwise and anticlockwise direction	
19.	Develop control circuit for	
	(i) Three wire circuit with indicator lamp.	5+5=10
	(ii) Jogging circuit.	