Con. 10280-13. LJ-10595

			(3 Hours) [Total Marks: 10)0
N.I	3. :	(1) (3) (2)	Questions No.1 is compulsory. Answer any four questions from remaining six. Figures to the right indicate full marks.	
1.	An	(a) (b) (c) (d) (e)	Explain SCR as a rectifier and give significance of free-wheeling diode. What are the open loop configurations of OPAMP? Explain any one with circuit diagram. What are the advantages of electronic control of a motor? What do you mean by cycloconverter? Explain reasons of limited applications of cycloconverters.	20
			plain with the help of block diagrams armature and field control of a d.c. shunt	10 10
	. ,	circ	uits of SCR.	10 10
			cuss in detail the overload protection of d.e. motor.	10 10
		Explain 555 timer as monostable multivibrator with waveforms.Derive the expression for OPAMP as an integrator.		10 10
6.		Wh	mize an basic gates with NOR gate.	10 10
7.			cuss architecture of 6065 interoprocessor.	10 10
