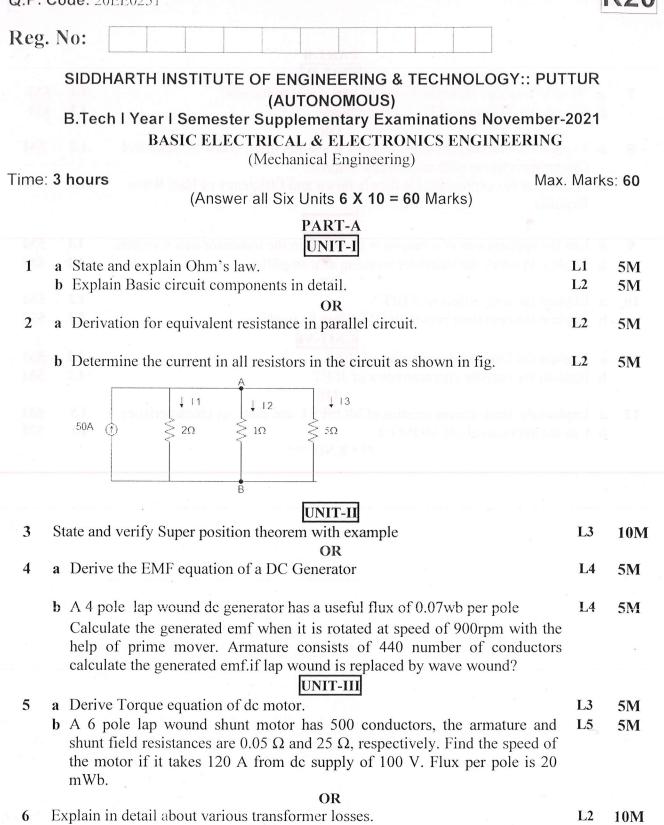
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		UNIT-IV		
7	a	What is Doping? Describe P-and N-type semiconductors?	L1	5M
	b	Explain the behavior of PN junction diode	L2	5M
		OR		
8	a	Explain the working principle of Half Wave Rectifier. Draw its input and	L2	5M
		Output waveforms with neat circuit diagram.		
	b	Determine the expression for Ripple factor and Efficiency of Half Wave	L5	5M
		Rectifier.		
		UNIT-V		
9	a	List the applications of a transistor and explain the transistor acts a switch.	L1	5M
	b	Explain in detail the transistor working as a amplifier.	L2	5M
		OR		
10	a	Explain the early effect of a BJT?	L2	5M
	b	Explain the operating region of BJT when its working	L2	5M
		UNIT-VI		
11	a	Explain the Drain characteristics of JFET.	L2	5M
	b	Explain the transfer characteristics of JFET	L2	5M
		OR		
12	a	Explain the static characteristics of MOSFET and draw its characteristics	L5	5M
	b	List the applications of MOSFET	L1	5M
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*** END ***

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