GUJARAT TECHNOLOGICAL UNIVERSITY PDDC - SEMESTER- VII • EXAMINATION – SUMMER 2014

Subject Code: X70905			Date: 05-06-2014	
Tiı	me: (truction 1 2	. Attempt all questions.	Total Marks: 7	0
Q.1	(a) (b)	Explain Series Resonant Inverter with necessary diagram. Explain Zero Voltage Resonant Converter with necessary diagram.		07 07
Q.2	(a) (b)	Explain Class-E Resonant Inverter. Discuss Difference between ZCS and ZVS. OR		07 07
	(b)	Explain basic principal of Multilevel Inverter.		07
Q.3	(a) (b)	Explain Diode Clamped Topology for Multilevel Inverter. Explain Cascaded Topology for Multilevel Inverter. OR		07 07
Q.3	(a) (b)	Comparison between all Topologies of Multilevel Inverter. Explain Flying Capacitor Topology for Multilevel Inverter.		07 07
Q.4	(a) (b)	Explain Different types of Multi pulse Converter. Write Short note on Different Transformer Connection f converter. OR		07 07
Q.4	(a) (b)	Explain Fly Back Converter Topologies for SMPS. Explain Full bridge Converter Topologies for SMPS.		07 07
Q.5	(a) (b)	Write Short note on ONLINE UPS. Write Short note on Resonant AC Power Supply. OR		07 07
Q.5	(a) (b)	Write Short note on Control of BLDC Motor. Write Short note on Construction and Working of SRM Motor.		07 07
