Seat No.:	Enrolment No.

## **GUJARAT TECHNOLOGICAL UNIVERSITY** PDDC SEMESTER VIII- EXAMINATION - SUMMER 2017

Subject Code: X80901 Subject Name: Commissioning of Floatrical Equipments		Date: 27/04/2017		
Tiı	•	Name: Commissioning of Electrical Equipments 0.30AM to 01.00PM ons:	Total Marks:	70
	2.	Attempt all questions.  Make suitable assumptions wherever necessary.  Figures to the right indicate full marks.		
Q.1	(a)	What is neutral grounding? What are the methods of ne	eutral grounding?	07
	<b>(b)</b>	Explain any one in detail.  Explain noise measurement and vibration measurement in induction motor.	case of 3-phase	07
Q.2	(a) (b)	Explain Field test on DC machine with an appropriate circuit of Explain insulation resistance test on synchronous machine.  OR	liagram.	07 07
	<b>(b)</b>	What are the different methods for finding out cable faults? E them.	xplain any one of	07
Q.3	(a) (b)	Explain the tests before the commissioning of cable.  Explain the testing procedure in Swinburne's test. Explain how to check the performance of DC motor from Swinburne's test.  OR		07 07
Q.3	(a) (b)	What is Polarization Index? Explain the significance of P.I. What is the Drying out process? How Drying out process is carried out on electrical equipment?		07 07
Q.4	(a) (b)	State faults, causes and remedies with squirrel cage induction motor.  Explain the different methods of slip measurement of induction motor.  OR		07 07
Q.4	(a) (b)			07 07
Q.5	(a)	Discuss the necessary condition of synchronization. Explain the circuit diag of synchronization of alternator with grid.		07
	<b>(b)</b>	What is the commissioning of electrical equipment? Explain of different testing.	the classification	07
Q.5	(a) (b)	OR  Explain variation of voltage and frequency on performance of Explain the different methods of earth resistance measurement		07 07

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