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

ELECTRICAL MEASUREMENT & MEASURING INSTRUMENTS

	MEASURING INSTRUMENTS	
Tim	e: 3 Hours] [Max. Marks:	: 100
Note	: (i) Answer any six questions from Part-A. Each question carries 5 marks.	
	(ii) Answer any seven full questions from Part-B. Each question carries 10 ma	ırks.
	PART – A Diploma - [All Bra	onchas
1.	Explain different types of effects used to produce deflecting torque in an anal instrument.	
2.	Explain Calibration of Ammeter by using a DC potentiometer with neat circ diagram.	5
3.	Diploma Question Pape Explain range extension of DC voltmeter using multiplier with circuit diagram.	ers (2015 5
4.	Explain the term burden as referred to instrument transformers.	5
5.	Explain measurement of power by two wattmeter method with circuit diagram.	5
6.	Compare digital Meters with analog meters.	5
7.	Explain the operation of digital tong tester with Block diagram.	5
8.	List and explain factors/characteristics considered for selection of transducer.	5
9.	Explain DC signal conditioning system with Block diagram.	5
	PART – B	
10.	(a) Explain spring control method of producing control torque in an anal instrument.	log 6
	(b) List the errors in Electro dynamometer type wattmeter.	4
	1 of 2 [Turn	over

Explain the operation of Bolometer for RF power measurement with a diagram

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for unbalanced Bridge.

List the applications of Piezoelectric transducer.