Maximum Marks: 70

10

P.T.O.

B.Tech. - VIEP - ELECTRICAL ENGINEERING (BTELVI)

Term-End Examination Lines of the Lan June, 2017 when you wanted

1984

Time: 3 hours

voltmeters.

BIEE-007

BIEE-007: ELECTRICAL MEASUREMENTS AND MEASURING INSTRUMENTS

Note: Attempt any seven questions. All questions carry equal marks. Use of scientific calculator is allowed.		
1.	What are working standards and absolute standards? Explain the process of calibration for	
	measuring instruments. Again to be a facilities of the second of the sec	5+5
2.	With the help of a suitable diagram, explain the construction and working of a dynamometer type	
	wattmeter.	10
3.	Explain the construction and working of a	
	single-phase induction type energy meter.	10
4.	With the help of a suitable circuit diagram,	
	explain how current and potential transformers	n e
	are used in extension of range of ammeters and	

5.	Explain the working and operation of the Carey
	Foster slide wire bridge with the help of a
	suitable diagram. 10
6.	How can a fault be located with the help of the
	Varley loop method for ground and short circuit
	fault?
7.	Draw a neat block diagram of CRO and explain
	the functions of each component in brief. 10
8.	What are polar curves? Define illumination and
	luminous efficiency. Write any two applications
	of polar curves.
9.	Write short notes on any two of the
	following: $2 \times 5 = 10$
	(a) Shunt and Multiplier
	(b) Gauss Meter

(c) Ampere-hour Meter