

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Question Bank

Course: S.Y. B. Tech in Instrumentation Engineering

Sem: IV

BTINBS 404: Electrical and Electronics Measurement

UNIT 1

Que.1 State and explain static characteristics of instruments.

Que.2 State and explain dynamic characteristics of instruments.

Que.3 Give the classification of errors in detail.

Que.4 What is calibration? Why it is required?

Que.5 Why input impedance should be high and output impedance should be low?

Que.6 Explain loading effect.

UNIT 2

Que.1 What is a Moving Coil Galvanometer?

Que.2 Explain multirange ammeter.

Que.3 Explain multirange voltmeter.

Que.4 Write note on shunt ohmmeter.

Que.5 Write note on series ohmmeter.

Que.6 Draw and explain DC potentiometer.

UNIT 3

Que.1 What is operating principle of Wheatstonebridge?

Que.2 What is bridge sensitivity?

Que.3 Draw and explain Kelvins Bridge.

Que.4 Write note on Maxwell Bridge.

Que.5 Write note on Wein Bridge.

Que.6 Compare AC Bridges with DC Bridges.

UNIT 4

Que.1 Draw and explain block diagram of CRO.

Que.2 Write note on CRT.

Que.3 Explain Vertical Deflection System.

Que.4 Explain Horizontal Deflection System.

Que.5 Write note on digital storage oscilloscope.

Que.6 Write note on Dual Trace CRO.

UNIT 5

Que.1 What is Strip Chart Recorder?

Que.2 Explain writing mechanism of recorder in detail?

Que.3 Draw and explain X-Y recorder?

Que.4 Write note on Ultrasonic distance meter.

Que.5 Write note on function generator.

Que.6 Draw and explain Digital Multimeter in detail.