

Q.24 Explain the construction and working of a function generator with the help of block diagram in detail.

Q.25 Explain block diagram of Q-Meter and Write working principle of it.

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221021

**2nd Semester/ ECE, ECE
(For Speech & Hearing Impaired)
Subject : Electronic Instruments & Measurement**

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 Power can be measured with the help of

- a) Wattmeter b) Voltmeter
- c) Ammeter d) Ohmmeter

Q.2 What is the smallest change in applied input that will indicate a detectable change in output of an instrument?

- a) Accuracy b) Precision
- c) Sensitivity d) Resolution

Q.3 Sensitivity of a basic meter is measured in

- a) Ohm meter b) Ohm/Volt.
- c) Ampere d) Volt/Ampere

Q.4 A simple instrument used to detect logic state of a node in digital circuit is known as _____.

- a) Logic Pulser b) Logic analyser
c) Logic probe d) Logic Comparator

Q.5 The principle of Q-Meter is based on

- a) Parallel resonance b) Series resonance
c) Both A & B d) None of the above

Q.6 A moving iron instrument can be used for

- a) AC only b) DC only
c) Both AC & DC d) None of the above

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

Q.7 The scale of moving iron instrument is uniform. (True/False)

Q.8 Ammeter is always connected in _____.

Q.9 Write the full form of CRO is _____.

Q.10 Hey's bridge is used for the measurement of _____.

Q.11 Write the unit of frequency.

Q.12 Write the full form of DSO _____.

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SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 Write any four differences between analog and digital instruments.

Q.14 What are different standards?

Q.15 Write any four difference between AC bridge & DC bridge.

Q.16 What is the use of Logic Pulser?

Q.17 Explain the construction of CRT with the help of diagram.

Q.18 Explain the working of De-Sauty's bridge.

Q.19 Explain the working of a DSO.

Q.20 What do you mean by the term Calibration?

Q.21 Draw the block diagram of a Digital Multimeter.

Q.22 What is principle of VOM meter.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

Q.23 Explain block diagram description of CRO and write its application.

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