

SECTION-B

Note: Short answer type questions. Attempt any six questions out of eight questions. $(6 \times 5 = 30)$

- Q.11 Explain Inductance bridge with diagram.
- Q.12 Write any five applications of DSO.
- Q.13 Draw and explain the block diagram of Q meter.
- Q.14 Explain the working of digital multimeter.
- Q.15 Explain comparison method of instruments calibration.
- Q.16 Explain plotters with suitable example.
- Q.17 Write five advantages of digital multimeter over analog multimeter.
- Q.18 Draw and explain the block diagram of Sampling Oscilloscope.

SECTION-C

Note: Long answer type questions. Attempt any one questions out of two questions. $(1 \times 10 = 10)$

- Q.19 Draw and explain block diagram of DSO in detail.
- Q.20 Explain capacitance bridge with diagram.

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Roll No.

188561

Level 5 / 2nd. Sem. / DVOC

Medical Image Tech.

Subject : Electronic Measurement and Instrumentation-II

Time : 2 Hrs.

M.M. : 50

SECTION-A

Note: Very short answer type questions. All questions are compulsory $(10 \times 1 = 10)$

- Q.1 What is the function of Voltmeter-Ammeter method.
- Q.2 Write the basic equation for the balance of bridge circuit.
- Q.3 Expand CRT.
- Q.4 What is X-Y recorder?
- Q.5 What is the role of delay line in oscilloscope?
- Q.6 Which bridge is used to measure medium value resistance?
- Q.7 Define quality factor.
- Q.8 Define Calibration.
- Q.9 Write the name of any two quantity measured by digital multimeter.
- Q.10 Expand DSO.