

### SECTION-B

**Note:** Short answer type questions. Attempt any six questions out of Eight questions. (6x5=30)

- Q.11 Explain any one method for measurement of current.
- Q.12 Write a short note on AC bridges.
- Q.13 What is Q meter ? Explain its principle?
- Q.14 What are the advantages of Maxwell Inductance Bridge?
- Q.15 Explain Dual Trace Oscilloscope in brief.
- Q.16 Write a short note on plotters.
- Q.17 What are the applications of DSO?
- Q.18 What are the applications of multimeter ?

### SECTION-C

**Note:** Long answer type questions. Attempt any one questions out of two questions. (10x1=10)

- Q.19 Explain the working principle, advantages and disadvantages of Wheatstone Bridge.
- Q.20 Explain the construction and working of CRT with diagram.

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**DVOC (Level 5)**  
**Semester 2<sup>nd</sup>/Medical Image Tech.**  
**Subject : Electronic Measurement**  
**and Instrumentation-II**

Time : 2 Hrs.

M.M. : 50

### SECTION-A

**Note:** Very short answer questions. Attempt all ten questions. (10x1=10)

- Q.1 What does Voltmeter measure?
- Q.2 Expand CRO.
- Q.3 What is the principle of operation of Q meter?
- Q.4 What does Hay bridge measure ?
- Q.5 Which method is used for measurement of low Resistance?
- Q.6 Which field deflect Cathod Rays?
- Q.7 Define Calibration.
- Q.8 Expand DSO.
- Q.9 How many electron guns is / are used in Dual Trace CRO?
- Q10 Define XY Recorder