SECTION-B [15 Marks]

Attempt any THREE parts. Each part carries FIVE marks. [5\*3 = 15]

1. Define error and its types.
2. Obtain a relation for obtaining the low value of self inuctance using Anderson bridge method
3. Determine the value of inductance of a coil using Hay’s bridge method

4. Define Wheatstone bridge and obtain its balance condition.

5. Discuss the construction of kelvin double bridge. Using Kelvin double bridge obtain the equation for determining the value of resistance.

6. Describe the classification of transducers.

SECTION-C [25 Marks]

Attempt TWO parts. Each part carries TWELVE AND HALF marks. [12.5\*2 = 25]

1. Discuss the construction, working and applications of PMMC galvanometer.
2. Discuss the construction and working of LVDT

3 Describe the construction and working of CRO. Obtain the relation for determining the frequency,

wavelength on CRO.

4. What is potentiometer? Discus its types, contraction, working and applications.

5. a. Determine the value of self-inductance using Maxwell’s bridge.

b. Determine the value of capacitance using DeSauty Bridge.

6 discuss the construction and working of Function generator.