**REG.NO:**

**SEMBODAI RUKMANI VARATHARAJAN ENGINEERING COLLEGE**

**ACADEMIC YEAR 2013-2014/ODD SEMESTER**

**CYCLE TEST – I**

**DEPARTMENT OF MECHANICAL ENGINEERING**

**SUBJECT CODE/TITLE:** ME2304 ENGINEERING METROLOGY AND MESUREMENTS

**YEAR/SEM:** III/V **DATE:**

SET-B

**DURATION:** 90 Mins **MAX.MARKS:** 50

**PART – A**

(5X2 = 10 marks)

1. Define Metrology?

2. Compare accuracy and precision?

3. Give classification of measuring instruments?

4. Define static & dynamic error?

5. What is sensitivity?

**PART- B**

(4 \* 10 = 40 marks)

11. Briefly discuss on calibration of temperature measuring devices with suitable examples

12. Explain the types of errors.

13. Explain the types of measurement.

14. (i) Distinguish between Static and dynamic response.

(ii)Distinguish between Repeatability and reproducibility