**REG.NO:**

**SEMBODAI RUKMANI VARATHARAJAN ENGINEERING COLLEGE**

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

**CYCLE TEST – II**

**DEPARTMENT OF MECHANICAL ENGINEERING**

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

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

SET-A

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

 **PART – A**

 ( 05X2 = 10 marks)

 1. What are the various types of linear measuring instruments& angular measuring instrument used in metrology?

 2. What are comparators?

 3. What are the limitations of sine bar?

 4. State the principle of autocollimator.

 5. What is interferometry?

 **PART- B**

 (4 \* 10 = 40 marks)

11. Explain the working principle of sine bar.

 12. Explain the various types of comparators.

13. Explain the types of interferometer.

14. Draw vernier caliper and outside micrometer.