**Rajasthan Institute of Engineering & Technology, Jaipur.**

**Department of Mechanical Engineering**

**I Mid Term examination**

**Session: 2018-19**

**Semester & Branch**

**Subject (M&M)**

Time: 2 hrs. M.M.:20

SET A

**Instruction for students:**

1. No provision for supplementary answer book.

Q.1 Define the following

 1. Reproducibility

 2. Repeatability

Or

Q.1 Difference between precision and accuracy.

Q.2 Explain the generalized measurement system.

Or

Q.2 Explain the various types of error.

Q.3 Describe the principle of Vernier caliper with construction and working procedure.

Or

Q.3.Describe the various types of micrometer.

Q.4 Define comparators with their various types.

Or

Q.4 Describe the working procedure of autocollimator with neat diagram .

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SET B

**Instruction for students:**

1. No provision for supplementary answer book.

Q.01 Define the following

 1. Calibration

 2. Uncertainty

or

Q.01.Define the following

1. Actual size

2. True value.

Q.02. Explain the generalized measurement system.

or

Q.02 Describe the various types of Vernier calipers.

Q.03 Describe the working procedure of micrometer with neat sketch.

or

Q.03 Describe the working procedure of sine bar with principle.

Q.04. Write a short note on Angle Dekkor .

or

Q.04. Define comparators. Describe the uses of comparators.