

S. B. Roll. No.....

METROLOGY AND INSTRUMENTATION
3rd Exam/Mech./4653/Jun'2021
(For 2018 Batch Onwards)

Duration: 1.15Hrs.

M.Marks:25

SECTION-A

Q1. Attempt any three questions.

3x5=15

- i. How Precision are differing from Accuracy.
- ii. Give the advantages and disadvantages of pneumatic comparators.
- iii. What are the main Characteristics of Comparator?
- iv. Explain briefly controllable errors.
- v. What are the limitations of sine bar in angular measurement?
- vi. Discuss the uses of strain gauge.
- vii. What factors affecting finish of a surface?

SECTION-B

Q2. Attempt any one question.

1x10=10

- a. Give the Terminology of surfaces roughness.
- b. Describe briefly profile projector.
- c. Give the working principle of autocollimator with sketch.
- d. Explain briefly the use of stroboscope.