

Meterology, Instrumentation and Tribology (MET-001)

Max. Marks: 100

All questions carry equal marks

- Q.1. Classify the types of error and discuss them in detail.
- Q.2. Define the following terms: (a) Arithmetic mean (b) Deviation (c) Standard Deviation (d) Variance (e) Geometrical mean
- Q.3. Discuss in detail the various types of 'Fits'.
- Q.4. What is tolerance? Describe in detail unilateral and Bilateral tolerance with neat sketches.
- Q.5. Describe 'plug' and 'snap' gauges with neat sketches.
- Q.6. Explain, in detail the construction and working of a vernier calipers.
- Q.7. Discuss, in detail any one of the electrical measuring devices.
- Q.8. Name the parts of a universal bevel protractor and state the functions of each.
- Q.9. Enlist and describe in detail the parts of a projector
- Q.10. Name three types of mechanism of lubrication and discuss any one mechanism in detail.