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**School of University Polytechnic**

Diploma in Mechanical Engineering

Mid Term Examination - May 2024

Duration : 90 Minutes

Max Marks : 50

**Sem IV - N1DL401B - Inspection and Quality Control**General Instructions*Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) Explain comparator. K2 (2)
- 2) Write about quality. K1 (3)
- 3) Explain about standards. K2 (4)
- 4) Explain ring gauge. K2 (6)
- 5) Identify various components in micrometer. K3 (6)
- 6) Identify the end standards and line standards. K3 (9)
- 7) Analyse function of plug gauge. K4 (8)
  
- 8) Analyse role of ratchet in micrometer and also draw its diagram. K4 (12)

**OR**

- Inspect role of vernier scale in vernier caliper and draw its diagram. K4 (12)