

**School of University Polytechnic****Diploma in Mechanical Engineering  
Semester End Examination - Jun 2024****Duration : 180 Minutes  
Max Marks : 100****Sem IV - N1DL401B - DPME2012 - 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*

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|-----|--|--------|
| 1)  | Define fit.  | K1(2)  |
| 2)  | Explain transducer.  | K2(4)  |
| 3)  | Explain concept of TQM.  | K2(6)  |
| 4)  | Construct daigram for ring gauge, filler gauge.                              | K3(9)  |
| 5)  | Identify the role of vernier scale in vernier caliper and also draw diagram. | K3(9)  |
| 6)  | Interpret incoming inspection process and production inspection process.     | K5(10) |
| 7)  | Analyse various sampling plans.  | K4(12) |
| 8)  | Construct diagram of johanssons mikrokator and explain its working.          | K5(15) |
| 9)  | Explain working of dial indicator with diagram                               | K5(15) |
| 10) | Discuss working of sine bar with diagram.                                    | K6(18) |