

School of University Polytechnic**Diploma in Mechanical Engineering
Semester End Examination - Jun 2024****Duration : 180 Minutes
Max Marks : 100****Sem II - N1DL202B - Elements of Mechanical Engineering**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 Thermodynamics. | K1(2) |
| 2) | Illustrate application of biomass energy. | K2(4) |
| 3) | Explain about Different types of gears. | K2(6) |
| 4) | Identify importance of lubrication system. | K3(9) |
| 5) | Identify importance of power plants. | K3(9) |
| 6) | Evaluate nonconventional forms of energy. | K5(10) |
| 7) | Analyze lubrication process. | K4(12) |
| 8) | Determine working of thermal power plant. | K5(15) |
| 9) | Evaluate types of machining components with diagram. | K5(15) |
| 10) | Discuss about nuclear power plant. | K6(18) |