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**School of University Polytechnic**

Diploma in Electrical Engineering  
Semester End Examination - Nov 2023

Duration : 180 Minutes  
Max Marks : 100

**Sem V - N1DI502T - Renewable Source of Energy**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) What is Solar Energy? K1 (2)
- 2) Demonstrate wind energy extraction with diagram. K2 (4)
- 3) Explain about Geothermal power plant. K2 (6)
- 4) Identify the working of Gas turbine power plant with diagram. K3 (9)
- 5) Identify classification of wind turbines K3 (9)
- 6) Evaluate modes of wind power generation. K5 (10)
- 7) Analyze wind power plant with diagram. K4 (12)
- 8) Evaluate the solar pumping system with diagram. K5 (15)
- 9) Determine tidal characteristics. K5 (15)
- 10) Discuss about electric generator. K6 (18)