



ADMISSION NUMBER

School of Computing Science and Engineering

Bachelor of Technology in Computer Science and Engineering
Semester End Examination - Jul 2024

Duration : 180 Minutes
Max Marks : 100

Sem IV - G2UA421T - Renewable 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

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|-----|--|--------|
| 1) | Describe the function of electrolyte in battery. | K1(2) |
| 2) | Distinguish between forward and reverse biasing of a diode. | K2(4) |
| 3) | Explain how hydro and wind energies are the indirect sources of solar energy. | K2(6) |
| 4) | Explain the different energy creation procedures in renewable energy sources. | K3(9) |
| 5) | Explain the performance and limitations issues related to Bio-mass energy conversion phenomenon. | K3(9) |
| 6) | Justify the conversion principle of a AC to DC converter with the help of example. | K5(10) |
| 7) | Analyze the working of different type of materials required in thermionic converter | K4(12) |
| 8) | Recommend some energy resources other than enlisted in your syllabus and justify the cause. | K5(15) |
| 9) | Recommend the consideration of special problems in construction of barriers for tidal scheme. | K5(15) |
| 10) | Write the definition of pollution in your own words and also explain the causes of pollution. | K6(18) |