

JK Lakshmipat University, Jaipur
INSTITUTE OF ENGINEERING AND TECHNOLOGY

End-Term Examination, (Regular/Backlog), May 2025

B Tech, Semester II

Roll No.....

ES 1114: Environmental Studies

Time: 2:30 hours Max. Marks: 35

Instructions to students:

1. Do not write anything other than your roll number on question paper.
2. Assume suitable data wherever required and mention it clearly.
3. Writing appropriate units, nomenclature, and drawing neat sketches/schematics/ flow chart wherever, required are an integral part of the answer.

Note: All Questions carry equal marks (05)

1. Write a short note on. A- Water Footprint {2} B-Why a need for public awareness of the environment? {3}	CO 1 & 2
2. A- Explain the structure of the ecosystem. B- Photochemical Smog.	CO 2 & 3
3- Write short notes on the following. A- Hot Spot of Biodiversity and why it is necessary {2} B- Water Prevention and control of pollution Act {3}	CO 2 & 4
4- Discuss the main causes of the global environmental crisis and how governments and individuals work together to solve it.	CO 1 & 2
5- What is Municipal Solid Waste (MSW), how is it classified, and in what ways do thermal technologies such as pyrolysis and gasification contribute to sustainable solid waste management? Also, illustrate the separation of MSW components with a flow diagram.	CO 4
6- Write short notes on the following. A- Fertilizers related problems {2} B- Conservation method of biodiversity and its advantages {3}	CO 2 & 3
7- Discuss the major contributors of air pollution in urban areas, and how secondary pollutants affect ecosystems and human communities. Propose sustainable solutions for prevention and control.	CO 3