

JK Lakshmipat University Jaipur

INSTITUTE OF MANAGEMENT

End Term Examination, Dec 2023

B Tech/BCA, Semester I

Roll No.....

Course Code and Name: ES 1114
Environmental Studies

Time: 3:00 hours Max. Marks: 40

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.
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(Your answers should be in proportion to the marks allocated for each question)

1. What do you understand by sustainable development? (3) CO 4
2. It is expected that till 2050 human population may increase by up to 900 crore. What are the various methods by which demand of food can be fulfilled for this huge population? (4) CO 2

OR

- Explain photochemical smog and give the chemical reactions. (4) CO 3
3. What are the criteria for announcing an area as a hot spot of biodiversity? (4) CO 2
 4. What is the difference between food chains and ecological pyramids? (4) CO 2
 5. What do you understand by reduce, reuse and recycle in waste management? (4) CO 3
 6. Describe in detail any three types of ecosystems. What are the unique features of each one and what may be the importance of each for human beings? (7) CO 2
 7. Give the classification of solid waste as per your understanding of solid waste management which technique is most suitable and environment friendly? (7) CO 2
 8. What are the major points of the Wildlife Protection and Forest Conservation Act? (7) CO 4

OR

Short note on (7) CO3

(i) ESP Method

(ii) Ozone layer depletion