

JK Lakshmipat University Jaipur
INSTITUTE OF ENGINEERING AND TECHNOLOGY

End Term Examination, May, 2019

B. Tech. Semester II

Roll No.....

ID201: Environmental Studies

Time: 3 hours

Max. Marks: 60

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.
 4. Question Paper consists of THREE parts (**Part-A, Part-B and Part-C**)
 5. Answer **ALL** the questions from **Part-A** , any **07** questions from **Part-B** and any **02** questions from Part-C
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PART-A (01 Mark each)

- 1.(a) The 'Red Data Books' published by the International Union for Conservation of Nature and Natural Resources (IUCN) contain lists of.....
- (b) The National Green Tribunal Act, 2010 was enacted in consonance with which provisions of the Constitution of India.....
- (c) The increasing amount of carbon dioxide in the air is slowly raising the temperature of the atmosphere, because it absorbs.....
- (d) Photochemical smog is a resultant of the reaction among.....
- (e) Lichens, which are capable of initiating ecological succession even on a bare rock, are actually a symbiotic association of.....

PART-B (05 Marks each)

2. Enumerate the National Water Policy of India. Taking river Ganges as an example, discuss the strategies which may be adopted for river water pollution control and management. What are the legal provisions for management and handling of hazardous wastes in India?
3. Given the accelerated pace of development and demand for energy, would you consider renewable energy as a viable option for India's future?

4. Examine the causes and the extent of 'desertification' in India and suggest remedial measures.
5. The issue of tourism in core areas of tiger reserve forests in the country is a subject matter of debate. Critically examine various aspects of this issue, keeping in view relevant recent judicial pronouncements.
6. SC has directed the government to frame a Graded Response Action Plan to tackle air pollution. What is graded response action plan and what step government should take to tackle the air pollution of urban areas?
7. How much Inter Linking of rivers in India is feasible in addressing issues pertaining to flood, drought and enhancing irrigation facilities?
8. NITI Aayog has taken the stand that incineration or "Waste to Energy" is the best option as a sustainable disposal solution for the solid waste of larger cities. What is incineration technology; discuss the future of use of this technology in India?
9. Birds face a range of threats in today's times, among which habitat loss is the most common. Rapid urbanization in the last three decades is responsible for the disappearance of over 70% species of migratory and endemic birds. Discuss the reasons for decline in bird population in urban India?

PART-C (10 Mark each)

10. Rehabilitation of human settlements is one of the important environmental impacts which always attracts controversy while planning major projects. Discuss the measures suggested for mitigation of this impact while proposing major developmental projects.
11. "Given the extent of the devastation caused by a natural disaster that is exacerbated by human interventions, it is time we accept that the focus must shift from flood protection to flood governance." In the light of the losses caused by recent floods in India, discuss the statement.
12. Discuss various constitutional and legislative provisions taken by Government for ensuring protection of environment from adverse consequences of proposed projects.