

JK LAKSHMIPAT UNIVERSITY, JAIPUR

INSTITUTE OF ENGINEERING AND TECHNOLOGY

End Term Examination (Regular/Backlog), NOV-DEC 2017

B. Tech/ in CSE, EE, ECE Engineering, Semester ...I...

Roll No.....

COURSE CODE: 201

Time: 3 hours

Max. Marks: 100

COURSE TITLE: ENVIRONMENTAL STUDIES

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.

Q.1A Objective type multiple choice questions (10 questions @ 1 mark)

10

- i. Human encroachment into forest areas is one of the main threats to
a- Genetic biodiversity b- cultural biodiversity
c- Species biodiversity d- Both a & c
- ii. Which of the following is an example of ex-situ conservation
a- Gene bank b-Sanctuary
c- Biosphere reserve d- All of these
- iii. EIA is ?
a) Environmental impact assessment b) A written analysis report
c) Environmental internal assessment d) Both a & b
- iv. In any ecosystem producer number is Greater than consumers
a- ecosystem will sustain b- ecosystem will not sustain
c- ecosystem is partially sustain d-None.
- v. The rate of depletion of natural resource is
a- Big threats to new generation of human livelihood
b- it is natural process does not affect the human life
c- both a & b
d- None
- vi. Sound frequency measured in
a- decibel b- Dulong
c- Dobson d- None
- vii. Ozone layer is present in
a- Troposphere b- Stratosphere
c- Thermosphere d- In between stratosphere and ionosphere
- viii. Chernobyl disaster is associated with
a- Acid rain b- Nuclear accident
c- Landslide d- Both a & b
- ix. Chemical or agents that cause cancer are called
a- Teratogenic b- Carcinogenic
c- Mutagenic d- Both b & c
- x. DO in water comes from

a- Photosynthesis
c- Both a& b

b- Atmosphere
d- None

- Q.2 Short answer type questions (4 questions @ 2.5 marks) 10
- 1 Biotic and Abiotic components of an ecosystem explain
- 2 Write a note on particulate matters.
- 3 Write a note on cyclone separator process for air pollution
- 4 Write a note on different type of waste
- Q.3A Why is it necessary to create environmental awareness? 05
- Q.3B What are the major causes and consequences of deforestation? 05
- Q.4A Discuss the Sulphur cycle in environment and give its important in ecosystem 05
- Q.4B Give a note on types of waste and classify them with their source and properties. 05
- Q.5A Discuss the model of energy flow in an ecosystem and give their importance 05
- Q.5B Give note on Indian biodiversity and discuss their importance to sustain the environment. 05
- Q.6A Discuss the food chain and food web taking the example of JKL campus ecosystem. 05
- Q.6B What can you do to conserve mineral resource 05
- OR
- Q.6B Discuss the human foot print impact on the world environment. 05
- Q.7A Note on (a) Acid rain (b) Electrostatic precipitator 05
- Q.7B Explain the impact of plastic waste on Indian environment. 05
- OR
- Q.7B What do you mean by sustainable development? What are the major measures to attain sustainability? 05
- Q.8A Does development lead to environmental problem explain with suitable data and examples? 10
- Q.9A Explain current environmental crisis and also submit your sustainable solution for these crisis to reduce it. 10
- Q.9B Pollution in india good or bad for Indian biodiversity .JUSTIFY? 10
- OR
- Q.9B Discuss the interrelation of different types of environment. 10