

JK LAKSHMIPAT UNIVERSITY, JAIPUR

INSTITUTE OF ENGINEERING AND TECHNOLOGY

End Term Examination (Regular/Backlog), November 2016

B. Tech (as applicable) in All branch Engineering, Semester Ist

Roll No.....

COURSE CODE: ID201

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. Which is an biotic condition
(a) soil (b) water (c) temperature (d) bacteria
- II. The greenhouse effect
A) related to global warming b) UV & IR radiation play important role
c) carbon dioxide increase the greenhouse effect d) All of the above
- III. In Ecosystem
a) producer are independent b) primary consumer depend on producer
c) Both a & b d) None
- IV. Ozone layer present at
a) Troposphere b) Stratosphere c) Mesosphere d) Thermosphere
- V. London Smog mainly due to
a) sulphuric acid b) humidity c) sulphuric acid aerosol d) coal smoke
- VI. BOD is
a) indication of the extent pollution b) Greater BOD , greater the pollution
c) define quantity of DO in water d) all of the above
- VII. Minamata is
a) dancing disease b) related to marine pollution c) acetaldehyde is main pollutant
d) All of the above
- VIII. Solid waste quantity direct affect by
a) daily activities of society b) population density c) no effective method of waste disposal
d) Both a & b
- IX. The greenhouse effect
a) only occurred for last ten year b) it is natural phenomenon
c) It is unnatural phenomenon that cause heat energy to be radiated back into the atmosphere d) none
- X. Photochemical reaction occur in atmosphere
a) Stratosphere b) Troposphere c) Ionosphere d) Thermosphere

Q.2 Short answer type questions (4 questions @ 2.5 marks)

10

1	Explain the all	
	1. EIA 2. Environmental Engg.	
2	A) food chain B) Food web	
3	A) Grassland B) Decomposer	
4	A) flow chart of hydrological cycle b) Red book	
Q.3A	Explain the Sulphur cycle in detail give the flow diagram of cycle.	05
Q.3B	How is air pollution classified?	05
Q.4A	How do you conserve energy at your home?	05
Q.4B	Discuss the water pollution in detail.	05
Q.5A	Submit your suggestion how you can reduce the solid waste.	05
Q.5B	Fresh water shortages is new problem ahead for all over world how we solve this critical problem in future, submit your statement.	05
Q.6A	Write short note on global warming and what will the impact on our country.	05
Q.6B	Describe the various impacts on the world environment.	05
	OR	
Q.6B	Define the solid waste and give a note of solid waste generation in JKLU campus.	05
Q.7A	Discuss the various renewable source of energy to full fill the energy requirement of India	05
Q.7B	Short note on cyclone collector & electrostatic precipitator method	05
	OR	
Q.7B	Write the short note on types of solid wastes.	05
Q.8A	What is ex-situ and in-situ conservation of biodiversity and also give advantage and disadvantage.	10
Q.9A	Explain the energy flow in the fresh lake water system.	10
Q.9B	Discuss " Population of India- is good or bad for environment."	10
	OR	
Q.9B	What is biodiversity hot spot? And justify India is rich in biodiversity	10