

JK LAKSHMIPAT UNIVERSITY, JAIPUR

INSTITUTE OF ENGINEERING AND TECHNOLOGY

End Term Examination (Regular/ Backlog), April-May 2016

B. Tech (for all branches) Engineering, Semester-II

Roll No.....

COURSE CODE: Environmental Studies (ID 201)

Time: 3 hours

Max. Marks: 100

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. HDPE is ?
A. a type of plastic B. Its recyclable C. it is natural polymer D. Both a & b
- ii. Which is true about organic farming
A. use chemical pesticides B. it make the soil healthier. C. it does use animal and green manure D. Both b & c
- iii. Which is not a biome.
A. bacteria B. producer C. detrivore D. none
- iv. Which is the following is an occasional cause of air pollution.
A. driving car B. cooking C. occasional fireworks D. Mining
- v. Why is water a unique resource
a. water has unique taste b. water has no substitute c. water is less polluted d. It give biological oxygen
- vi. What is the basis of all food chain
a. consumers b. bacteria's c. sun d. producer
- vii. Which of the following methods is not in-situ conservation.
a. setting up a biosphere b. setting up a national park c. a reserve forest d. none.
- viii. The component responsible for acid rain is
A. sulphate b. Sulphur dioxide. C. Sulphur trioxide d. Both b & c
- ix. In solid waste management 'Methanogenesis' is process in which
a. bacteria produce methane b. it is anaerobic reaction c. it is aerobic reaction. d. Both a & b
- X. Greater the BOD means
a. greater the water pollution b. lower water pollution c. lower DO level of water d. both a & b



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

10

1. Write short note on eutrophication.
2. Write short note on biodiversity hot spot ? and give any five name of hot spot.
3. Write to short note on waste to energy.

4.	How to remove SO _x give note on various method.	
Q.3A	Write short note on solar energy as renewable source of energy	05
Q.3B	Discuss the impact of solid waste on environment.	05
Q.4A	Explain the global warming and ozone depletion.	05
Q.4B	Discuss the food chain and food web with suitable example and flow chart	05
Q.5A	Short note on London smog and Los Angeles smog.	05
Q.5B	Discuss the in-situ and ex-situ method for biodiversity conservation	05
Q.6A	Discuss rigorously various reasons for scarcity of water in our country	05
Q.6B	Discuss the activated sludge process for water treatment.	05
	OR	
Q.6B	Describe the noise pollution hazards on man.	05
Q.7A	Explain the cyclone collector and ESP method for air pollution .	05
Q.7B	What is solid waste? And give its classification on the basis of source.	05
	OR	
Q.7B	Explain the various minor and major factors for marine pollution.	05
Q.8A	Draw the flow diagram of Sulphur cycle and water cycle	10
Q.9A	How do you conserve biodiversity ? explain	10
Q.9B	What is red , green and blue book data in specie's conservation?	10
	OR	
Q.9B	Discuss the microbiology of the atmosphere and indoor air	10