

JK LAKSHMIPAT UNIVERSITY, JAIPUR

INSTITUTE OF ENGINEERING AND TECHNOLOGY

End Term Examination (Regular/ Backlog), April-May 2015

B. Tech/ M. Tech (as applicable) (Common to all) . Engineering, Semester II



Roll No.....

COURSE CODE: ID 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. Which of the following statements is true with regard to ecosystem
(a) ecosystem same as population (b) an ecosystem is a region in which living organisms interact with their environment (c) there is no interaction between an ecosystem and its environment (d) none
- ii. What is the basis of all food chain
(a) Top Consumer (b) producer (c) detritivore (d) Bacteria
- iii. Which of the following is not a biome
(a) Tundra (b) Tropical rain forest (c) Earth (d) Desert
- iv. Which of the following methods is not in situ conservation.
(a) setting up a national park (b) establishing a reserve forest
(c) setting up a biosphere (d) building a seed bank
- v. Which of the following statements is not true with purifying water?
(a) reverse osmosis (b) UV radiation, (c) Evaporation from a pond
(d) distillation
- vi. Which of the following statements following is not true with regard to normal plastics waste? (a) it lasts long (b) burning it produces toxic fumes
(c) it clog sewage pipes (d) it can be composted .
- vii. Which is the main problem in using hydrogen as fuel
(a) hydrogen produces no emission (b) it is produce water
(c) it takes energy to produce hydrogen (d) hydrogen can produce from water
- viii. Which country is expected to have the largest population by 2050?
(a) china (b) India (c) Both A&B (d) Brazil
- xi. Which of the following is an occasional cause of air pollution?
(a) Mining (b) driving Cars (c) Cooking (d) Celebrating festivals
- x. Why is water a unique resource
(a) it give biological oxygen (b) water is often polluted
(c) water has unique odour & taste (d) water has no substitute



Q.2	Short answer type questions (4 questions @ 2.5 marks)	10
A.	Write short note on environment protection acts?	
B.	Write short note on eutrophication of lakes.	
C.	What is biodiversity Hot Spot ? give any five example.	
D.	How can generate electricity from solid waste recycled?	
Q.3A	Describe the main source of marine and coastal pollution.	05
Q.3B	Explain through example how pesticides and industrial chemicals have positive and negative impacts on society.	05
Q.4A	Explain the causes and effect the acid rain	05
Q.4B	How do you conserve biodiversity ? Explain	05
Q.5A	What are the sources and effects of noise pollution.	05
Q.5B	What are the special problems of nuclear energy	05
Q.6A	Explain in brief the basic principles of organic farming.	05
Q.6B	Compare advantage and disadvantage of oil, coal and natural gas as energy source.	05
OR		
Q.6B	What are the special problems that big cities face on the water issues.	05
Q.7A	What is the impact of plastic waste on environment.	05
Q.7B	What you can you do to conserve forest.	05
OR		
Q.7B	Outline the Indian constitutional provision regarding the water protection act.	05
Q.8A	What is global warming and how does it occur? What are the possible effects of global warming?	10
Q.9A	Draw the flow diagram of water cycle.	10
Q.9B	Explain the root cause of the current soil pollution.	10
OR		
Q.9B	Describe the measures taken by India to save our biodiversity	10