

7. (a) What is Noise Pollution? Give the remedial measures for noise pollution.
- (b) Describe the nitrogen cycle.
8. (a) Discuss the hydrogen fuel cell. What is the significance of its in space?
- (b) What are bio-indicators? Discuss the various types of bio-indicators.

—x—

199127]

(4)

17,525

Printed Pages : 4



36

NAS105/NAS205

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 199127

Roll No.

--	--	--	--	--	--	--	--	--	--

B. Tech. (Semester-I)

SPL. THEORY EXAMINATION, 2014-15

ENVIRONMENT & ECOLOGY

Time : 2 Hours]

[Total Marks : 50

Note: Attempt questions from each Section as per instruction.

Section - A

1. Attempt all questions : 2×5=10
- (a) Why crude oil is called as fossil fuel?
- (b) What are the components of ecosystem?
- (c) What are water borne diseases?
- (d) Define synecology and autecology.
- (e) What are the greenhouse gases and how they relate with global warming?

199127]

(1)

[Contd...

Section - B

2. Attempt any three parts. All parts carry equal marks.

5×3=15

- (a) Define food chain & food web. What are pyramids? Name the pyramid, which is always upright and why?
- (b) What are renewable resources? Define solar energy. What are the methods for the conversion of solar energy? Write the advantages of solar energy.
- (c) What are solid wastes? Discuss in brief the various ways of solid waste management methods.
- (d) Define pollution and pollutants. Discuss the adverse effects and control measures of water pollution.
- (e) Why do we refer Environmental Protection Act, 1986 as an Umbrella Act? Discuss the Environmental Protection rules, 1986.

Section - C

Note: Attempt any five questions.

5×5=25

3. Attempt any two :

- (a) What are air borne diseases? Is it come under the disease caused by air pollution?

(b) Discuss the impact of mining on environment.

(c) What is deforestation? Enumerate and discuss the various causes of deforestation.

4. (a) What is meant by ozone depletion? How CFCs and other ozone depletion substances affect ozone shield?

(b) What is biodiversity? Discuss the various threats for the biodiversity. Describe the biodiversity conservation approach.

5. Attempt any two :

(a) Write a short note on sustainable development.

(b) Explain acid rain and its effect on the environment.

(c) Discuss the multidisciplinary nature of environmental Sciences.

6. Attempt any two :

(a) Discuss the four segments of environment.

(b) What is Environmental Impact Assessment? Discuss its importance in planning and implementation of engineering projects.

(c) What is the source of energy of sun? How much installed capacity of wind energy in India? Discuss the composition of biogas and natural gas.