

Paper Code: NAS-205

Roll No.

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

## MCA

(SEM- II) EVEN SEMESTER THEORY EXAMINATION, 2015-16

### ENVIRONMENT & ECOLOGY

*Time: 3 Hours*

*Maximum Marks: 100*

**Note:** Attempt all questions. All questions carry equal marks.

1. Attempt any **five parts** of the following: (5x 5=25)
  - a) What is the significance of Environmental Impact Assessment (EIA)? Discuss the steps involved in it.
  - b) Differentiate between renewable and non-renewable energy resources with examples.
  - c) What is biodiesel? Why is hydrogen considered as an alternative future source of energy?
  - d) Give an account of Energy Flow in an ecosystem with the help of suitable examples. Distinguish between food chain and food web.
  - e) How can an individual control air, water, soil and noise pollution?
  - f) Discuss various methods of solid waste management?
  
2. Attempt any **five parts** of the following: (5x 5=25)
  - a) Write a note on rehabilitation and resettlement in the light of recent environmental disasters.
  - b) What is global warming? Discuss the reactions in depletion of Ozone Layer and what are the remedial measures?
  - c) What are primary air pollutants? Discuss their sources and how could they be controlled?
  - d) What do you mean by Biomagnification and Eutrophication?
  - e) What are forest resources? Discuss their uses and causes of deforestation. What is the effect of deforestation on environment?
  - f) What is the role of NGO in environmental protection?
  
3. Attempt any **five parts** of the following: (5x 5=25)
  - a) What is water pollution? What are its effects on human health? Discuss its remedial measures.
  - b) What is an ecosystem? Discuss the ecosystem of a pond.
  - c) Define Land pollution. Discuss the adverse effect of agricultural activities on environment.
  - d) Draw and discuss the nitrogen cycle.
  - e) Write a note on water crisis and conservation of water with special reference to rain water harvesting.
  - f) Discuss four segments of environment.

4. Attempt any **five parts** of the following:

(5x 5=25)

- a) How women education can help in protection of environment?
- b) Discuss the salient features of Environmental Protection Act 1986.
- c) What is meant by sustainable development? What are important measures to attain sustainability?
- d) Discuss adverse effects of urbanization and industrialization on environment. Suggest suitable remedial measures.
- e) How can human activity influence the environment? Discuss the impact of thermal power plants on environment.
- f) Define the term Biodiversity. Discuss methods that can be used to conserve the biodiversity.