

Printed Pages : 4



NAS205 (A) / NAS105 (A)

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

PAPER ID : 199225

Roll No.

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MCA

(SEM. II) THEORY EXAM. 2014-15
ENVIRONMENT AND ECOLOGY

Time : 3 Hours]

[Total Marks : 100

Note : Attempt the questions as indicated.**Q1.** Attempt any *four* parts of the following : 5x4=20

- (a) What is environment? Write different zone of atmosphere. Discuss how temperature changes on increasing the altitude in atmosphere.
- (b) What is meant by environmental pollution? Discuss its various types and the requirement of non-polluted environment.

Q5. Attempt any *two* parts of the following: 10x2=20

- (a) What is waste? Discuss different type of solid wastes. Briefly discuss the various criteria for selecting an environmentally safe site for waste disposal.
- (b) What is acid rain? What precautionary majors we can apply to avoid acid rain?
- (c) Write short notes on:
- Hotspots of biodiversity.
 - Bio-geographical classification of India.
 - In-situ and Ex-situ conservation.

- (c) What are "Green House Gases"? How they are responsible for increase in atmospheric temperature?
- (d) What is environment education? Describe the role of women education in environment protection.
- (e) What do you mean by the term disaster management?

Q2. Attempt any *two* parts of the following: 10x2=20

- (a) Discuss the adverse impact of urbanization and industrialization on environment and suggest suitable remedial measures.
- (b) What is biodiversity? Explain genetic, species and ecosystem diversity. Explain the consumptive and productive value of biodiversity.
- (c) Discuss the salient feature of the following :
- i) Wildlife (Protection) Act, 1972.
 - ii) Water (Prevention and Control of Pollution) Act, 1974.
 - iii) Environment (Protection) Act, 1986.

Q3. Attempt any *two* parts of the following: 10x2=20

- (a) What is Rainwater Harvesting? What are the major objectives for rainwater harvesting?
- (b) What is ecosystem? Discuss the biotic and abiotic components of an ecosystem.
- (c) What is global warming? What are its causes and effects? Discuss the measures to control it.

Q4. Attempt any *two* parts of the following: 10x2=20

- (a) What is the role of NGO in India? Site some of their activities.
- (b) How is lithosphere classified on earth? Write a brief upon them including major physical and chemical properties.
- (c) What do you mean by population explosion? What are the major reasons of population explosion?