

Roll No.

Total No. of Pages : 02

Total No. of Questions : 07

BBA (Sem.-6)
ENVIRONMENTAL SCIENCES
Subject Code : CE-216
Paper ID : [C0234]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. SECTION-A is COMPULSORY.
2. Attempt any FOUR questions from SECTION-B.

SECTION-A (10 × 2 = 20 Marks)

1. (a) What are stationary and mobile sources of air pollution? Give examples.
(b) Name four man-made ecosystems.
(c) Give two ecological symptoms of unsustainable development.
(d) Name a few devices to harness solar energy.
(e) Give two adverse environmental impacts of modern agriculture.
(f) What is vermicomposting? Give its two advantages.
(g) Name two major national environment related movements.
(h) Name three common diseases of children that affect child welfare program.
(i) Write down one environmental impact and one mitigation measure for floods.
(j) What is biomedical and which is the best method to dispose it off?

SECTION-B (4 × 10 = 40 Marks)

2. (a) Name various green house gases and how they lead to enhanced global warming? Discuss the possible/projected ill effects of global warming.
(b) How do primary air pollutants differ from secondary air pollutants? Give their examples. Discuss the important strategies commonly used to control air pollution from an industry.

3. (a) What is “Sustainable Water Management”? Discuss the advantages & disadvantages of exploiting ground water resources.
(b) Name different types of forests present on the earth. Discuss the salient features of tropical rain forests. What are the ecological services rendered by forests?
4. (a) Define ecological succession. How does primary succession differ from secondary succession? Discuss the process of primary succession on a bare rock.
(b) What do ecological (Eltonian) pyramids represent in a community? Along with suitable diagrams, discuss the pyramid of number, pyramid of biomass & pyramid of energy in any ecosystem.
5. (a) Describe “Human Population Growth” and its variation among developed and developing countries. Discuss the consequences of over population.
(b) Describe the Water (Prevention & control of pollution) Act. Give functions and powers of Central & State Pollution Control Boards.
6. (a) What are “Hot Spots of Biodiversity”? What are the main causes for the extinction of species? Explain *in situ* and *ex situ* conservation of biodiversity.
(b) Along with a diagram, discuss the flow of energy and nutrients through different components of an ecosystem.
7. Write notes on any **four** :
 - (i) Merits & demerits of dams
 - (ii) Bhopal Gas Tragedy
 - (iii) Eutrophication : Causes and Consequences
 - (iv) Sanitary landfills
 - (v) Point and non-point sources of water pollution (with examples)