

BCA Ist Semester Examination, 2022  
FUNDAMENTAL OF ENVIRONMENTAL  
SCIENCES

Paper : BCA-105

Time : 3 Hours ]

[ M.M

Note :- Answer any *five* questions. All questions carry equal marks.

1. (a) Discuss the effect of agricultural practices on the environment

(b) Explain Ecosystem and also discuss the various components of ecosystem.

2. (a) Discuss importance and steps involved in Environmental Impact Assessment.

(b) Explain 'Energy flow in Ecosystem'.

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3. (a) Write short notes on the following :
- (i) Nitrogen Cycle
  - (ii) Carbon Cycle
- (b) Discuss disease with symptoms caused by polluted water.
4. (a) Write short notes on the following :
- (i) Solar Energy
  - (ii) Hydroelectricity
- (b) Explain Sulphur Cycle with labeled diagram.
5. (a) Discuss the types, source and steps involve in solid waste management.
- (b) Write short notes on the following :
- (i) Acid rain
  - (ii) London and Los Angeles Type Smog
6. (a) Discuss causes, effects and control measure of Water Pollution.
- (b) Write short notes on the following :
- (i) Soil Pollution
  - (ii) Mechanism Involve in Global Warming

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7. (a) Discuss Water (Prevention and Control Pollution) Act, 1974.

(b) Explain term 'ISO 14000 Standards'.

8. (a) Write short notes on the following :

(i) Green Building Concept

(ii) The Forest (Conservation) Act; 1980

(b) Explain the techniques used in determining  
of Disinfectants.

9. Write short notes on the following :

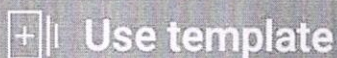
(i) Ozone Layer Depletion causes, effects  
prevention

(ii) Effects of Mining on Environment

10. Write short notes on the following :

(i) Effects of Transportation on Environment

(ii) Ecological Succession

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