

**MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE**  
**SEMESTER END THEORY EXAMINATION**

**B.Sc.(Hons.) Horticulture**

Semester	: II (New)	Term	: Second	Academic Year	: 2021-22
Course No.	: H/EVS 121	Title	: Environmental Studies and Disaster Management		
Credits	: 3 (2+1)				
Day & Date	: Wednesday, 14.09.2022	Time	: 9:00 to 12:00 hrs.	Correct Marks	: 80

**Note :** 1. Solve ANY EIGHT questions from SECTION 'A'.

2. All questions from SECTION 'B' are compulsory.

3. All questions carry equal marks.

4. Draw neat diagram wherever necessary.

**SECTION 'A'**

- Q.1 Discuss in brief the scope and importance of environmental studies. Explain the role of an individual in environmental protection.
- Q.2 Enlist renewable and non-renewable resources. Explain how alternate energy sources play an important role in environmental impact.
- Q.3 Write in brief the functions of forest. Explain the consequences of deforestation on the environment.
- Q.4 Define overgrazing. Explain in brief the effects of overgrazing.
- Q.5 Discuss in detail the consequences of modern agriculture on the environment and how to overcome them?
- Q.6 Discuss the causes of land degradation and briefly explain ways to overcome this problem.
- Q.7 Discuss the consequences of overdrawing surface and groundwater. Enlist different methods for the replenishment of groundwater.
- Q.8 Explain the causes, effects and control measures of water pollution.
- Q.9 What do you mean by natural disaster? Explain the types of disaster.
- Q.10 Explain in detail the various threats to biodiversity.

**SECTION 'B'**

- Q.11 a) Do as directed:
- 1) Define: Food chain.
  - 2) Define: Desertification.
  - 3) Name the four ecosystems.
  - 4) What is geothermal energy?
- b) State True or False:
- 1) Acid rain causes soil pollution.
  - 2) Hibernation is also known as winter sleep.
  - 3) The photovoltaic cell converts solar energy into electrical energy.
  - 4) Polluted water may lead to typhoid, diarrhoea, cholera, jaundice, etc.

(P.T.O.)

Q.12 a) Fill in the blanks:

- 1) Energy obtained from hotspots beneath the earth is called \_\_\_\_\_ energy.
- 2) Noise is measured in \_\_\_\_\_ units.
- 3) The Wildlife Protection Act was enacted in the year \_\_\_\_\_.
- 4) The \_\_\_\_\_ protocol is an international treaty which relates to climate change.

b) Match the pairs:

'A'

- 1) Wetland
- 2) Nuclear disaster
- 3) Carbon credit
- 4) Ozone depletion

'B'

- a) Chernobyl
- b) Chlorofluorocarbon (CFC) gases
- c) Ramsar Convention
- d) Kyoto Protocol

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