MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE

SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Agriculture/ Forestry

Semester	: III	Term	: First	Academic Year	: 2024-25
Course No.	: ESDM 231/ EVS 231	Title	: Environmental Studies and Disaster Management		
Credits	: 3(2+1)				
Day & Date	: Monday, 14.10.2024	Time	: 09:00 to 12:00 hrs.	Total 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 What do you mean by Environmental Studies? Explain the scope and importance of Environmental Studies.

Q.2 What is meant by Natural resources? Give the detail classification of natural resources on the basis of quantity, continual utility, origin and utility with suitable examples.

Q.3 Define Biodiversity and describe conservation of biodiversity.

Q.4 Define Ecosystem and explain the structure of ecosystem.

Q.5 Describe energy flow in the ecosystem and ecological pyramids.

Q.6 Enlist the types of pollution and discuss about sources and effects of air pollution.

Q.7 Enlist the different acts for control of pollution in India and describe issues involved in enforcement of environmental legislation.

Q.8 What are the Forest resources? Explain the overexploitation of forest resources with causes and consequence of deforestation.

Q.9 What is Disaster? Enlist the types of disaster and explain floods.

Q.10 Write short notes on (Any Two):

a) Carbon sequestration

b) Climate change and global warming

c) Nuclear (Radiation) pollution

SECTION 'B'

Q.11 Fill in the blanks:

1) The term 'Environment' was introduced by the Biologist, _____.
2) _____ is the sphere of the earth's environment in which the life exists.
3) Wild species that is still abundant in this natural range; but declining in numbers, are called as _____.
4) The toxic gas emitted at Bhopal Gas Tragedy was _____.
5) The word 'Environment' is derived from the French verb, _____.
6) The Environment Protection Act of India was passed following the principles and decisions taken in UN conference held at _____.
7) The process, by which a substance first enters a food chain, is called_____.
8) The sound intensity is measured by the instrument _____.

(P.T.O.)

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Q.12 a) Define the following terms:

1) Biota

2) Ecological succession

3) Species

4) Eutrophication

b) Spell-out the following abbreviations:

1) UNFCCC

2) CITES

3) UNCED

4) BVIEER

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