

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Hons.) Agriculture / Forestry

Semester : III (New)	Term : I	Academic Year : 2018-19
Course No. : ESDM 231/ EVS 231	Title : Environmental Studies and Disaster Management	
Credits : 3(2+1)		
Day & Date : Monday, 19.11.2018	Time : 9.00 to 12.00	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 diagrams wherever necessary.

SECTION "A"

- Q.1 a) Describe scope and importance of environmental science.
b) Write in brief about population explosion.
- Q.2 Explain in detail about the food chain.
- Q.3 a) Define Natural Resources. Enlist the classification of Natural Resources.
b) Give the classification of Natural Resources based on exhaustibility.
- Q.4 a) Enlist the different effects of Modern Agriculture.
b) Write in brief about fertilizer-pesticide problems.
- Q.5 a) What are the specific objectives of conservation of biodiversity?
b) Write in brief about *in-situ* conservation of biodiversity.
- Q.6 Describe in detail the role of an individual in prevention of pollution.
- Q.7 Enlist various environmental conservation Acts. Explain in detail Forest Conservation Act.
- Q.8 What is natural disaster? Give in detail it's types and effect of landslides.
- Q.9 Define air pollution. Explain air pollution cause, effects and control measures.
- Q.10 Write short notes (Any Two).
- a) Acid rain
b) Role of NGO in disaster management
c) Noise pollution
d) Ecological pyramids

SECTION "B"

- Q.11 Define the following terms.
- 1) Disaster management
2) Climate change
3) Soil erosion
4) Ecosystem
5) Biodiversity hotspot
6) Ecology
7) Food web
8) Omnivore

(P.T.O.)

Q.12 Do as directed.

- 1) Abiotic component of ecosystem comprises of non-living things. (True/False)
- 2) The major benefits of dams are hydroelectricity generation. (True/False)
- 3) The major problem of malnutrition is a progressive emaciation caused by lack of protein and calories called _____. (Fill in the blank)
- 4) The apex body for Disaster Management in India headed by the Prime Minister of India, is _____. (Fill in the blank)
- 5) The main source of water for the Himalayan Rivers such as Ganga, Brahmaputra and Indus are _____. (Fill in the blank).
- 6) The long form of IAEM is _____.
- 7) IPCC stands for _____.
- 8) NEPA is the abbreviation of National _____ Protection Act.

