

KERALA AGRICULTURAL UNIVERSITY

Kelappaji College of Agricultural Engineering and Food Technology

SWC 1208 Environmental Studies and Disaster Management 3 (2+1)

B.Tech. Food Technology - 2024 Admission

2nd Semester Final Theory Examination - 2025

Date and Time: 06-08-2025, 10.00 A.M.- 12.00 P.M. Name:.....

Max. marks: 50 marks Roll No.:.....

I. Answer the following (10 x 1 = 10 marks)

1. International Day for the Preservation of the Ozone Layer was proclaimed as
2. The Indian state with the largest forest cover is.....
3. is the science of naming, defining, and classifying organisms.
4. A is defined as a geographical area which is characterised by specific environmental conditions and unique flora and fauna adapted to that region.
5. NDMA stands for
6. Wildlife Protection Act came into existence in the year.....
7. The Richter scale is used to measure the magnitude of an
8. The ozone layer protects Earth from rays
9. The conservation of natural resources for future generations is called development.
10. The Kyoto Protocol focuses on reducing emissions

II Attempt ANY FIVE of the following. (5 x 2 = 10 marks)

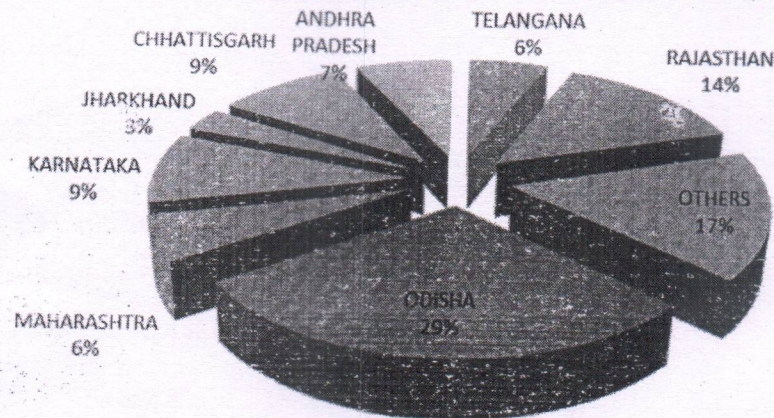
1. What are the major causes of global warming?
2. Explain the various components of an ecosystem.
3. What is the current status and distribution of global forest resources?
4. Differentiate between renewable and non-renewable resources.
5. Differentiate between the in-situ and ex-situ conservation of biodiversity?.
6. Briefly explain the impact of increasing human population on the environment.

III Attempt ANY FIVE of the following. (5 x 4 = 20 marks)

1. What are the different types of positive interactions in an ecosystem, and how do they contribute to ecological balance?
2. What is acid rain? What are the causes and effects of acid rain on the environment?
3. What are the major causes of landslides in Kerala?

4. Describe the major biodiversity hotspots in India and discuss their importance in conserving the environment.
5. How has Japan improved its tsunami preparedness and environmental resilience by 2025 in response to past disasters?
6. Analyse the following figure and give a brief note on the statistics of mineral resources in India.

% Share of States in Value of Mineral Production during 2023-24 (estimated)



IV Attempt ANY ONE of the following. (1 x 10 = (10 marks))

1. Explain the major kinds of pollution, their causes and preventive measures.
2. Describe the different methods of solid waste management in detail.

—Best wishes—