



V. M. SALGAOCAR INSTITUTE
of
INTERNATIONAL HOSPITALITY EDUCATION

B.Sc. Culinary Arts

Type: Semester End Assessment (SEA)

Date: 20/11/2025

Batch and Semester: 2025-28 & Semester -1

Total Marks: 40

Time Duration: 1 Hour

Course Name: Environmental Studies

Course Code: VAC-100

Faculty: Ms. Alyce Rodrigues

This paper contains 02 pages in addition to the cover page.

Full Name of the Student: _____

Permanent Registration Number: _____ Class: _____

Marks Obtained: _____ Faculty Signature: _____ Invigilator Signature: _____

Main Answer Sheet	Number of Supplements	Total Number of Answer Sheets
01		

- Carefully read each question at the outset of the paper. All queries must be addressed to the faculty within the first 10 minutes of the examination.
- Students are expected to maintain complete silence in the examination hall and should not interact or communicate with their peers.
- Students will carry only their essential stationery like pens, pencils, ruler and simple calculators into the examination hall.
- Bags, eatables, drinks, etc. will not be allowed inside the hall with the exception of a bottle of water.
- Cell phones, electronic data banks, scientific calculators and smart/beeping watches are prohibited in the examination hall.
- Students will answer the examination with only blue/ black ball point pens unless informed differently by faculty. Avoid usage of green or red ink pens on the answer sheet.
- Dictionaries will not be allowed into examination hall unless informed differently by faculty.



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Q.1) Answer the following questions.

(4 x 2 Marks) = 8 Marks

1. Define food web.
2. Explain the desertification of land.
3. What is endemic species?
4. List 2 non-renewable forms of energy.

Q.2 A i) Discuss 3 functions of an ecosystem.

3 Marks

OR

Q.2A.ii) With the help of a diagram, explain the pyramid of energy.

3 Marks

Q.2 B Explain the environmental impacts of farm-raised aquaculture compared to wild-caught fish?

3 Marks

Q.2 C) Discuss any 2 examples of endangered species found in India.

2 Marks

Q.3 A. i) Explain any 3 soil conservation methods.

3 Marks

OR

Q.3 A.ii) Outline three reasons that lead to soil erosion

3 Marks

Q.3 B) Discuss the sustainable way to use forest resource.

3 Marks

Q.3 C) Discuss any two problems related to the use of groundwater.

2 Marks

Q.4 A. i) Explain with relevant examples the importance of the concepts of ecological pyramids, food chains, and food webs can be applied in the hospitality industry.

3 Marks

OR

Q.4 A. ii) Elaborate on the impact of mining activities on the environment.

3 Marks



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Q.4 B) Discuss any one renewable energy source which you suggest to adopt and Why? **3 Marks**

Q.4 C Nowadays, loss of biodiversity is one of the most critical environmental issue faced by the world.
Elaborate on any two threats to biodiversity. **2 Marks**

Q.5 A. i) Evaluate and outline the environmental impacts of dam construction. **3 Marks**

OR

Q.5 A ii) Explain the term “in-situ conservation” and elaborate on any 2 types of in- situ conservation. **3 Marks**

Q.5 B) India recognized as one of the 17 megadiverse countries of the world. Briefly explain the four biodiversity hotspots in India. **3 Marks**

Q.5 C) A Hotel near a mangrove forest has been experiencing a decline in its underwater biodiversity due to increased tourist activities. Propose two strategies the hotel could implement to help conserve this biodiversity while maintaining tourism. **2 Marks**