

**CARMEL COLLEGE OF ARTS, SCIENCE & COMMERCE FOR WOMEN**  
**NUVEM – GOA**  
**SEMESTER END EXAMINATION, NOVEMBER 2022**

Semester: **I B.Sc.**

Course: **AECC - Environmental Studies (EVS)**

Total marks: **80**

Date: **8/11/2022**

Duration: **2 Hours**

Total No. of Pages: **01**

**Instructions:** 1. All questions are compulsory; however, internal choice is available.  
2. Figures to the right indicate full marks.

Q. I. Answer **any four** of the following: (4 marks x 4 = 16)

- a. What is biomass energy?
- b. 'Deforestation causes floods'. Explain.
- c. What is 'Joint Forest Management'?
- d. List the biogeographic zones of India.
- e. What is ecological succession?
- f. Mention the contribution of any four individuals towards India's environment protection.

Q. II. Answer **any four** of the following: (4 marks x 4 = 16)

1. Describe any two causes of water pollution.
2. What are the urban problems related to energy?
3. Explain any two environmental values.
4. Explain the socio-cultural aspects of sustainable tourism.
5. How do agricultural and industrial activities lead to soil pollution?
6. Write a short note on the Biodiversity Act, 2002.

Q. III. A. Explain the functions and threats to an aquatic ecosystem. (6)

**OR**

A. Write a note on ex-situ and in-situ conservation of biodiversity. (6)

B. Explain the various ways in which solar energy can be used. (6)

Q. IV. A. Discuss any three problems associated with water resources. (6)

**OR**

A. Write a note on non-renewable energy resources and their impact on the environment. (6)

B. Write an account of your visit to the botanical garden at Selaulim Dam. (6)

Q. V. A. Discuss the disaster management strategies for cyclone. (6)

**OR**

A. Explain the concept of watershed management. (6)

B. Explain the role of information technology with respect to environmental issues and health care. (6)

Q. VI. A. Summarize the social impacts of mass tourism. (6)

**OR**

A. How can you, as a responsible citizen prevent environmental pollution? (6)

B. Explain the process of treatment of sewage at the Sewage Treatment Plant at Shirvode, Navelim. (6)