

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

Semester: I	Course name & Code: Environmental Studies (AECC)	
Total marks: 80	Date:	Duration: 02 hrs.
		Total No of pages: 02

*Instructions: 1. All questions are compulsory
2. Figures to the right indicate marks*

Q1. Answer any four of the following.

- i. Explain the scope and importance of Environmental Studies. (16)
- ii. Comment on the use and over-exploitation of forest resources.
- iii. Explain the 'Nitrogen cycle'.
- iv. Discuss the protective functions of Mangrove forests.
- v. Explain the different 'Ecological Pyramids'.
- vi. Define Biodiversity, justify India's 'B-17 status, listing any 5 Indian biogeographic zones

Q2. Answer any four of the following.

1. What is 'Eutrophication'? Comment on Biomagnification and Bioaccumulation. (16)
2. What are pollutants? Classify them with respect to their permanency in the environment.
3. Briefly explain the effects of 'Acid Rain'.
4. Explain the role of information technology in environment and human health.
5. 'Biodiversity can support sustainable tourism', justify.
6. Discuss the impacts of Mass Tourism

Q3.A). What are Water Resources? Add a note on benefits and problems associated with dams. (6)

OR

A) Submit a brief account of Solid Waste Management.

B) Submit a comprehensive account of values of biodiversity. (6)

Q4.A) With suitable examples, differentiate between in-situ and ex-situ conservation. (6)

OR

A) Summarize the drivers of biodiversity loss.

B) Write an elaborate note on Solar energy resource. (6)

Q5.A) Define a Forest Ecosystem. State the types of forests in India. (6)

OR

A) With reference to the Family Welfare programme, discuss the various measures of Population control.

B) Comment on the problems and concerns associated with Resettlement and Rehabilitation. (6)

Q6. A) Briefly explain the 'Environment (protection) Act 1986. (6)

OR

A) Write an elaborate note on 'Infectious Diseases' with an example.

B) What is the importance of the ozone layer? Write a short note on the causes and effects of ozone layer depletion. (6)