

**CARMEL COLLEGE OF ARTS, SCIENCE & COMMERCE FOR WOMEN,
NUVEM-GOA**

SEMESTER END EXAMINATION NOVEMBER - DECEMBER 2022

Semester: I Course name & Code: ESA 101: Environmental Studies

Total marks: 40 Date: 30/11/2022 Duration: 1.5 hrs Total No of pages: 1

Instructions: 1. All questions are compulsory.

2. Figures to the right indicate full marks.

Q 1. Answer any 5 of the following. (2 x 5 = 10 marks)

- a) Name two Indian individuals who have worked for the environment, stating their contributions.
- b) State two factors that lead to Soil erosion.
- c) List two effects of Modern agriculture.
- d) Differentiate between Grazing and Detritus food chain.
- e) What are the levels of biodiversity?
- f) What is the "Red Data Book"? State its significance.
- g) What is meant by "Endemism"? Cite two Indian examples of endemic species.

Q 2. (5 x 2 = 10 marks)

A. Summarise role of an individual in conservation of natural resources.

OR

A. Write a brief account on use of alternative energy source.

B. Write a brief note on the problems related to mining and its effect on biodiversity.

Q 3. (5 x 2 = 10 marks)

A. Describe the structure and functions of aquatic ecosystem.

OR

A. Summarise the drivers of biodiversity loss.

B. What are the differences between food chain and food web? Discuss with some examples.

Q 4. (5 x 2 = 10 marks)

A. Discuss the conservation strategies used to protect biodiversity.

OR

A. Comment on India's status as a "Mega-diversity Nation."