

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

SEMESTER END EXAMINATION (ONLINE MODE), AUGUST 2020

Semester: **VI B.Sc.** Course name & Code: **BOTANY (BOC110: Plant Ecology and Phytogeography)**

Max. Marks: **30** Date: **07/08/2020** Duration: **2 Hours** Total no. of pages: **01**

Instructions: 1) *All questions are compulsory.*
2) *Figures to the **right** indicate **maximum** marks allotted to the question.*
3) *Draw labelled diagrams **wherever** necessary.*

Q.I. Answer **any FIVE** of the following in brief: (5 x 2 Marks = 10)

- a) List the components of soil complex.
- b) Define food chain and give an example of food chain.
- c) Differentiate between biotic and abiotic components of ecosystem.
- d) Define weathering and list any 4 chemical weathering processes of rock.
- e) List the different zones of a marine ecosystem.
- f) List the major phytogeographical regions of India?
- g) What are the major characteristics of Tundra biome?
- h) Enlist the forest types of Goa. Which one of them is the major type in the state?

Q.II. Answer **any FOUR** of the following. (4 x 5 Marks=20)

- 1) What is an ecological pyramid? Describe the pyramid of energy.
 - 2) Explain atmospheric humidity in relation to plants.
 - 3) With the help of an illustration, briefly describe the soil profile.
 - 4) Describe a pond ecosystem with respect to its biotic components.
 - 5) Write a short note on major principles of phytogeography.
 - 6) Briefly describe the theory of continental drift.
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