

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

SEMESTER END EXAMINATION (Online Mode), JULY 2021

Semester: **VI B.Sc. BOTANY: DSC (BOC110-Plant Ecology and Phytogeography)**

Max. Marks: **30** Date: **14/07/2020** 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 maximum marks allotted to the question.
3) Draw labelled diagrams wherever necessary.

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

- a) Write any two functions of ecosystem.
- b) Define weathering. Enlist any two physical weathering processes of rock.
- c) Illustrate the pyramid of biomass.
- d) Name any 4 types of succession.
- e) What are endemics? Give one example each for neo-endemics and paleo-endemics.
- f) List the major phytogeographical regions of India.
- g) Define i) Gross primary productivity and ii) Net primary productivity.
- h) What is climax community? Name any two popular theories about climax concept.

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

- 1) Explain the effect of soil on vegetation.
 - 2) Briefly describe the quantitative characters of community.
 - 3) Write a note on the types of precipitation.
 - 4) Describe biotic components of a pond ecosystem.
 - 5) Write a note on major principles of phytogeography.
 - 6) What are biogeochemical cycles? Describe sulphur cycle.
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