

Exam. Code : 103206

Subject Code : 1324

B.A./B.Sc. 6th Semester

BOTANY

Paper–VIA (Ecology)

Time Allowed—2 Hours] [Maximum Marks—35

Note :— There are **Eight** questions of equal marks. Candidates are required to attempt any **Four** questions.

1. Write notes on gaseous composition of atmosphere. What are photosynthetically active radiations ?
2. Give notes in detail about morphological, anatomical and physiological responses of plants to water.
3. Write notes of basal area and Important Value Index (IVI). How are these calculated ?
4. Explain in detail about Whittaker's classification of biodiversity.
5. Discuss about growth curves of population ecology. What are Ecads ?
6. Discuss about energy flow in an Ecosystem. Draw the biogeochemical cycle of carbon.
7. Write notes on biogeographical regions of India.
8. Mention about effect of patch size and shape on biodiversity. What are abiotic and biotic components of ecosystem ?

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