

Total No. of Questions :8]

SEAT No. :

[Total No. of Pages :2

P3243

[5032] - 204

M.Sc. - I

BOTANY

**BO-2.4. Plant Ecology and Phytogeography
(2013 Pattern) (Semester - II) (Credit System)**

Time : 3 Hours]

[Max. Marks :50

Instructions to the candidates:

- 1) *Attempt any five questions.*
- 2) *All questions carry equal marks.*
- 3) *Neat labelled diagram must be drawn wherever necessary.*

- Q1)** a) Comment on plant relation with respect to type of soil and water holding capacity of the soil. [4]
b) Explain C - S - R triangle. [4]
c) What is xerasere [2]
- Q2)** a) Give components of Tundra and Desert bionics. [4]
b) Write the impact of soil and noise pollution on Environment. [4]
c) Comment on community structure. [2]
- Q3)** a) Comment on carbon sequestration. [4]
b) Explain Endemism. [4]
c) Give the impact of water pollution on marine life. [2]
- Q4)** a) Comment on factors affecting population size. [4]
b) Explain autogenic and allogenic succession. [4]
c) Enlist floristic regions of India. [2]

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- Q5)** a) Discuss plant relation with respect to light and radiation. [5]
b) Explain adaptive responses of plant to variation in water availability. [5]
- Q6)** a) Write a note on population viability analysis. [5]
b) Comment on fresh water ecosystem. [5]
- Q7)** a) Comment on Estuarine Ecology. [5]
b) Describe Ecotone and Edge Effect. [5]
- Q8)** a) Explain plant distribution with respect to topographic and climatic factors. [5]
b) Describe major plant communities of the world. [5]

