

Total No. of Questions : 8]

SEAT No :

P 2149

[5329]-204

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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) *Draw neat labelled diagrams wherever necessary.*

Q1) a) State the effect of temperature on the plants. **[4]**

b) What are extinction events? **[4]**

c) Comment on water holding capacity of the soil. **[2]**

Q2) a) Explain desert ecosystem. **[4]**

b) Comment on EIA. **[4]**

c) Write on ecotone. **[2]**

Q3) a) What is acid rain? Explain its impact on vegetation. **[4]**

b) Comment on r and k selection. **[4]**

c) State the difference between autogenic and allogenic succession. **[2]**

Q4) a) Comment on fresh water ecosystem. **[4]**

b) Write on photoinhibition. **[4]**

c) State the zones of India on the basis of soil type. **[2]**

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- Q5)** a) State the sources of water pollution. [5]
b) Comment on life history strategies. [5]
- Q6)** a) Which factors affect the population size? [5]
b) Explain Xerosere. [5]
- Q7)** a) What are the adaptive responses of plants to variation in temperature.[5]
b) Give the components of Tundra biome. [5]
- Q8)** a) Explain endemism with examples. [5]
b) Comment on the effect of light on distribution of Vegetation. [5]

