

Total No. of Questions : 4]

SEAT No. :

P830

[Total No. of Pages : 2

[5315] - 430

T.Y. B.Sc. (BOTANY) (Semester - IV)
BO - 342 : Plant Ecology & Biodiversity
(2013 Pattern) (Paper - II)

Time :2 Hours]

[Max. Marks :40

Instructions to the candidates:

- 1) *All questions are compulsory.*
- 2) *Draw neat labelled diagrams wherever necessary.*
- 3) *Figures to the right indicate full marks.*

Q1) Attempt the following:

[10]

- a) Give long form of MAB.
- b) Define Biodiversity.
- c) What is mean by Genetic Diversity?
- d) Define Alpha Diversity.
- e) What is 'Sthavrikshas'?
- f) Give any two steps involved in personnel Environmental Audit.
- g) What is Eutrophication?
- h) Write principle of Remote sensing.
- i) Enlist any two Botanical Gardens in India.
- j) What is ecological succession?

Q2) Answer any two of the following:

[10]

- a) Explain the process of Environmental Audit.
- b) Give applications of Remote sensing in ecology.

P.T.O.

c) Write factors causing loss of species & Genetic Diversity.

Q3) Write short notes on any two of the following: [10]

a) Ozone depletion.

b) Process of EIA

c) Necessity of Inventoring & Monitoring of Biodiversity.

Q4) Explain the impact of human activities on Environment with respect to water. Give its causes, prevention measures & control. [10]

OR

What is **In-situ** conservation? Explain the concept of Biosphere Reserves & National Parks.

