

Total No. of Questions : 8]

SEAT No. :

P 3228

[5032] - 42

[Total No. of Pages :2

M. Sc. - II

BOTANY

**BO - 4.2: Applied Botany
(2008 Pattern) (Semester -IV)**

Time : 3 Hours]

[Max. Marks : 80

Instructions to the candidates :

- 1) *Answer any five questions selecting at least two questions from each section.*
- 2) *Answers to the two sections should be written in separate answer books.*
- 3) *All questions carry equal marks.*
- 4) *Neat diagrams must be drawn wherever necessary.*

SECTION - I

Q1) What are algal blooms? Explain how algae act as indicators of Water quality.

- Q2)** a) Discuss methods and necessity of sea farming.
b) Comment on production technology and nutritive value of spirulina.

- Q3)** a) Explain production of fungal antibiotics.
b) Discuss methods of fermentation.

Q4) Write notes on Any Two :

- a) Mycoweedicides.
- b) Types of Mycorrhizae.
- c) Fungal organic acids.

SECTION - II

Q5) Describe in detail ringworm and aspergillosis.

- Q6)** a) Explain role of fungi in bioremediation and treatment of effluents.
b) Comment in nucleic acid and protein sequence data base.

P.T.O.

Q7) a) Write on Regression analysis. With example.

b) Briefly write on confidence interval and error level of significance.

Q8) Write explanatory notes on Any Two :

a) t - Test.

b) ANNOVA.

c) Alcohol production.

