

Total No. of Questions : 5]

SEAT No. :

[Total No. of Pages : 2

P505

[4917]-108

F.Y. B.Sc.

BOTANY

BO - 112 : Industrial Botany-I & II

(New Syllabus 2013 Pattern) (Theory) (Paper-II)

Time : 3 Hours]

[Max. Marks : 80

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:

[16]

- a) Enlist any two important floricultural crops.
- b) What is gum?
- c) What is plant tissue culture?
- d) Give any two plant resources of fodder.
- e) Define biofertilizer.
- f) What is biofuel?
- g) Define canning.
- h) Give names of any two fungi used in industry.

Q2) Attempt Any Four of the following:

[16]

- a) Give the advantages of green house technology.
- b) Explain the technique of inoculation.
- c) Write the uses of mushroom.
- d) Give the advantages of biofuel.
- e) Explain the importance of biopesticides.
- f) Give the need of biofertilizers.

P.T.O.

Q3) Write short notes on Any Four of the following:

[16]

- a) Organic farming.
- b) Hardening.
- c) Spawn production.
- d) Integrated Pest Management (IPM).
- e) Blue Green Algal biofertilizers.
- f) Need of biofuels.

Q4) Answer Any Two of the following:

[16]

- a) Give an account of cultivation practices in Gerbera.
- b) Explain in brief seed processing and production in cotton.
- c) Describe in detail products & applications of Trichoderma.
- d) What is fruit processing? Describe the process of jam preparation.

Q5) What is plant propagation? Describe in detail the methods of natural vegetative propagation. **[16]**

OR

Give the botanical source, active principles and medicinal uses of Adhatoda and add a note on nutraceuticals.

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