

Total No. of Questions : 5]

SEAT No. :

[Total No. of Pages : 2

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[5215]-8

F.Y.B.Sc.

BOTANY

BO-112: Industrial Botany

(2013 Pattern) (71420) (Theory) (Paper - II) (New)

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) What is green house technology?
- b) What is explant?
- c) What is ginning?
- d) Enlist any two plants used for biofuel production.
- e) Write any four uses of mushrooms.
- f) What is biocontrol?
- g) Give names of any two fungi used in industries.
- h) What is cold storage in fruit processing?

Q2) Attempt any four of the following:

[16]

- a) Give advantages of green-house technology.
- b) Describe the advantages of organic farming.
- c) Write a note on value added products of mushrooms.
- d) What is the source and uses of azadiraction?
- e) Give the applications of penicillium.
- f) Write about commercial significance of fruit processing industry.

P.T.O.

Q3) Write short notes on any four of the following: [16]

- a) Floriculture
- b) Types of organic fertilizers.
- c) Importance of seed industries.
- d) Biofuels.
- e) Importance of biopesticides.
- f) Food Industry.

Q4) Attempt any two of the following: [16]

- a) Describe the cultivation practices in Gerbera.
- b) What is plant tissue culture? Write an account of methods of sterilization and inoculation techniques.
- c) What are biofertilizers? Describe need and add a note on blue green algae.
- d) What is fruit processing? Enlist the types of fruit processing. Add a note on preparation of Jam.

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

OR

Write the botanical source, active principle and medicinal uses of Asparagus. Add a note on nutraceuticals.

