Total number of printed pages-4

3 (Sem-5/CBCS) BOT HE 2

2023

BOTANY

(Honours Elective)

Paper: BOT-HE-5026

(Horticultural Practices and Post-Harvest Technology)

Full Marks: 60

Time: Three hours

The figures in the margin indicate full marks for the questions.

- Answer the following as directed:
 (all are compulsory)
 - (a) Define Arboriculture
 - (b) Mention the botanical name of an perennial plant.
 - (c) Banana (Musa sp) is indigenous to (Fill in the blank)
 - (d) What is the full form of INM?

Contd.



- (e) Rhizobium is a non-symbiotic nitrogen fixing bacteria. (State True or False)
- (f) What is the causal organism of anthracnose disease in mango?
- (g) What is crop sanitation?
- 2. Answer the following: (all are compulsory)

 $2 \times 4 = 8$

- (a) Mention two economic importance of Polianthus tuberosa.
- (b) What is vertical farming?
- (c) Write the symptoms of nitrogen deficiency in crop.
- (d) What is green manure? Mention its two advantages.
- 3. Answer the following: (any three)

 $5 \times 3 = 15$

- (a) Define ecotourism. Write the principles of sustainable ecotourism.
- (b) What is IPM? Give an account on the principles of IPM.
- (c) Define germplasm. Mention the specific methods of germplasm conservation.

- (d) What are plant growth regulators? Give four examples. Mention the physiological effect of Auxin on plant.
- (e) Write a note on urban forestry mentioning its benefits.
- 4. Answer the following:
 - (a) Define Horticulture. Mention its importance. Discuss the role of horticulture in rural economy and employment generation in Assam.

 1+2+3½+3½=10

Or

Give an account on importance and scope of fruits and vegetable preservation. 5+5=10

(b) Define biofertilizer. Give some examples of bacterial, fungal and algal biofertilizers. Describe how biofertilizers are applied. Also mention its advantages. 1+3+3=10

Or

What is flower show? Write the importance of flower shows and exhibitions. Also give an account on Indian flower shows.

1+4+5=10

(c) Give an account on principles and methods of preservation and processing of food.

5+5=10

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Or

Describe the importance of different post-harvest technologies in horticultural crops.

ting France Discuss the role of the policy and horizonts in miral economy and employment generation in Assairs.

Give an account so maportance and scupe of fulls and vegotable preservation.

Define biologifizer. Give some compoled of bacter at fringed and algorithm biological and algorithms from biological frequency of a specific for Algorithms and the first action actives the society.

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3 (Sem-5/CBCS) BOT HE 2/G

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