

**B.Sc. BOTANY
FOURTH SEMESTER
NURSERY AND GARDENING
BSB-406**

**SET
B**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 1hr. 30 mins.

Full Marks: 35

Time: 15 mins.

(Objective)

Marks: 10

Choose the correct answer from the following:

1×10=10

- Which of the following method is commonly practiced for root induction?
 - Cutting
 - Layering
 - Grafting
 - Budding
- The main purpose of the shade net house is:
 - Hardening plants
 - Plant propagation
 - Nursery raising
 - All of the above
- The largest seed in the world is:
 - Seed of a watermelon
 - Seed of a mango
 - Seed of a palm tree
 - Seed of a jackfruit
- Fruits are mature; whereas seeds are matured.....
 - Stamens; ovules
 - Ovaries; stamens
 - Ovaries; ovules
 - Ovules; ovaries
- Which one of the following is cool-season vegetable?
 - Cabbage
 - Onion
 - Tomato
 - Okra
- All the following plants can be propagated by leaf cuttings except:
 - Begonia*
 - Hibiscus*
 - Bryophyllum*
 - Sansiveria*
- Which are examples of bulbs?
 - Onion
 - Lilies
 - Garlic
 - All the above
- In which process seeds are scattered uniformly on the seed beds either mechanically or manually?
 - Dibbling
 - Drilling
 - Broadcasting
 - Traditional method
- Which of the following is non-endospermic seed?
 - Maize
 - Wheat
 - Bean
 - Barley

10. Scientific name of garlic is:

- a. *Allium cepa*
- c. *Allium sicutum*

- b. *Allium hookeri*
- d. *Allium sativum*

(Descriptive)

Time : 1 hr. 15 mins.

Marks : 25

[Answer question no.1 & any two (2) from the rest]

1. Write short notes on: (*Any one*) 5
 - a) Hardening of plants
 - b) Mist Chamber
2. What is seed dormancy? Explain the different types of seed dormancy mechanisms. 2+8=10
3. What is vegetative propagation? Describe with suitable diagram artificial means of vegetative propagation. 2+3+5=10
4. What is gardening? What are the different types of gardening and why is gardening important? 2+4+4=10
5. Write brief note on the following: 5+5=10
 - a) Climate and soil for cabbage cultivation
 - b) Storage and market for tomatoes

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