

Anjuman Islam Janjira Degree College of Science Murud-Janjira, Raigad-402401 Affiliated to University of Mumbai	
Class: -T.Y.B.Sc.	Subject: - Horticulture and Gardening –I
Semester:- V	Course code: - USACHO501
Exam Event:- (SH) Winter 2023	Marks: -100
Date: -09/11/2023	Duration: - 03:00 Hours

N.B:

1. **All** questions are compulsory.
2. **Figures** to the right indicate full marks.
3. Draw **neat and labeled** diagrams wherever necessary.

Q. 1. Answer any two questions of the following. 20

- 1) Explain objectives of Horticulture in detail.
- 2) Give an account on nursery production.
- 3) What is the contribution of National Research Center for grapes as important Horticulture Research Institute
- 4) Explain the allied branches of Sericulture.

Q. 2. Answer any two questions of the following. 20

- 1) Give an account on technique of ‘grafting’
- 2) Explain in brief about sexual propagation.
- 3) Write in detail about budding with its types along with well labelled diagram.
- 4) Explain PGR’s for rooting.

Q. 3. Answer any two questions of the following. 20

- 1) Explain in brief friends of farmers (Earthworm, snakes)
- 2) Describe in detail bacterial, fungal and viral diseases on plants.
- 3) Write down the difference between manure and fertilizers.
- 4) Give an account on pests with its Effect (Aphids, beetle)on horticultural crops

Q. 4. Answer any two questions of the following. 20

- 1) Write down the selection and preparation method of soil for garden.
- 2) Explain Irrigation with its method in detail.
- 3) What are the steps involved in soil sterilization and sowing during garden operation.
- 4) Explain in detail about weeding and its controlling method.

Q.5. Write a short notes (Any four) 20

- 1) Floral exhibition
- 2) Sericulture
- 3) Technique of emasculation
- 4) Stem borer
- 5) Blanching
- 6) Tree transplanting
