

A

Reg. No. :

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Question Paper Code: U8A66

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2023

One Credit

Agricultural Engineering

21UAG866 – NURSERY PRODUCTION TECHNOLOGIES

(Regulations 2021)

Duration: 1.30 hours

Maximum: 50 Marks

Answer ALL Questions

PART A - (6 x 1 = 6 Marks)

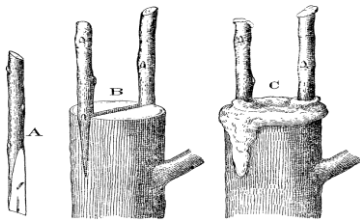
1. _____ is the method of inducing roots in a stem which is still attached to the plant CO1-U

- (a) Layering (b) Budding (c) Grafting (d) Cutting

2. The main function of growing medium is to supply _____ to the roots of a plant CO1-U

- (a) Nutrients (b) Air (c) Water (d) All the above

3. CO1-U



Identify which type of grafting?

- (a) Cleft grafting (b) Approach grafting (c) Crown grafting (d) Saddle Grafting

4. The type of nursery bed prepared during the rainy season is _____ CO1-U

- (a) Sunken (b) Raised (c) Flat (d) Furrow

5. _____ is the most common disease in a nursery. CO1-U

- (a) Powdery mildew (b) Damping-off (c) Leaf spot (d) Blight

6. Which type of nursery is prepared 10 to 15 cm downwards from the soil surface? CO1-U
- (a) Sunken nursery bed (b) Raised nursery bed
(c) Flat nursery bed (d) None of the above

PART – B (6 x 2= 12Marks)

7. How do you plan a nursery layout? CO1-U
8. Give details about any two Grafting and budding tools CO1-U
9. Write advantages of sexual propagation. CO1-U
10. Explain about the specialized plant propagation organs Runner and Sucker. CO1-U
11. Explain about bulb and corm with suitable example. CO1-U
12. What criteria will you follow while selecting a nursery site? CO1-U

PART – C (2 x 16= 32Marks)

13. (a) What is meant by nursery? explain the different propagation method in detail. CO1-U (16)
- Or
- (b) Explain in detail about the different types of growing medium for plants growth and its development. CO1-U (16)
14. (a) Explain about the types of nursery and types of nursery bed. CO1-U (16)
- Or
- (b) Illustrate the grafting and budding tools are used in nursery production. CO1-U (16)