



23144621

QP CODE: 23144621

Reg No : .....

Name : .....

**M Sc DEGREE (CSS) EXAMINATION, NOVEMBER 2023**

**Third Semester**

Faculty of Science

M Sc FOOD TECHNOLOGY AND QUALITY ASSURANCE

**CORE - FQ010303 - TECHNOLOGY OF FRUITS & VEGETABLES**

2019 ADMISSION ONWARDS

3CB54809

Time: 3 Hours

Weightage: 30

**Part A (Short Answer Questions)**

Answer any **eight** questions.

Weight **1** each.

1. Post harvest loss can be minimized by newer packaging. Justify
2. What is Freezing injury?
3. What are the advantages of artificial ripening?
4. Compare acoustic & vibration tests
5. What is waxing? Mention the importance of waxing of fruits
6. What are TTI's?
7. Add a detailed note on lye peeling
8. Comment on Vacuum steam blanching
9. Mechanism behind UV Technology
10. How electrolysed water treatment system works?

(8×1=8 weightage)

**Part B (Short Essay/Problems)**

Answer any **six** questions.

Weight **2** each.

11. Write a short note on composition of fruits & vegetables
12. Discuss about the secondary causes which are responsible for post harvest loss of fruits & vegetables
13. Classify fruits on the basis of growing region, physiology & ripening





14. Compare refrigerated & unrefrigerated road transport
15. Write a short note on mechanical graders
16. Discuss about the various chemical application methods used in the chemical treatment of fruits & vegetables
17. Define exhausting. What are the different methods for exhausting
18. Describe the HPP equipment system in detail

(6×2=12 weightage)

**Part C (Essay Type Questions)**

*Answer any **two** questions.*

*Weight 5 each.*

19. Discuss about the various changes that take place in the nutritive value of fruits & vegetables
20. Discuss about the various harvesting methods used for fruits & vegetables
21. How storage can affects the post harvest life of horticultural produces? Explain different traditional storages in detail
22. Explain the following techniques in detail with its application (i) UV light technology (ii) Ultra sound technology

(2×5=10 weightage)

