

M.Sc. Sem.-3 Examination

501

Horti Science & GM

November-2025

Time : 2-30 Hours]

[Max. Marks : 70

Instructions: All Questions carry equal marks
Attempt all Questions

Q I	Explain the processes of handling, sorting, grading, packing and transporting harvested crops.	14
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OR

Q I	A.Explain types of maturity and some methods to determine the maturity.	7
	B.What is ripening? What are the parameters to identify it?	7

Q II	Describe on farm processing and storage in the production of fruits.	14
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OR

Q II	A.What is the role of total quality management in post-harvest fruit handling?	7
	B.Discuss how to store fruits to increase shelf life.	7

QIII	Describe in detail: processing and extending post-harvest shelf life in vegetables.	14
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OR

Q III	A. Describe TQM in vegetables.	7
	B. Explain storage and packaging of vegetables.	7

Q IV	Describe: Post-harvest physiology and changes of flowers.	14
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OR

Q IV	A. Describe: Causes of post-harvest losses of flowers.	7
	B. Explain in detail: Economic importance and on farm processing in flowers.	7

Q V	Attempt any 7 out of 12 Short questions.	14
1	Give two advantages of mechanical harvesting.	2
2	How does ripening affect harvest timing?	2
3	How does market demand influence harvest timing?	2
4	Mention any 4 causes of post-harvest losses in fruits.	2
5	What kind of changes occurs in fruits after harvesting?	2
6	Write an Economic importance of fruits.	2
7	Mention any 4 causes of post-harvest losses of vegetables.	2
8	Write any four post-harvest changes in vegetables.	2
9	What is the post-harvest technology?	2
10	Why harvesting stage matters for flowers?	2
11	How floriculture industry helped in women empowerment?	2
12	What is pre cooling?	2

