

**School of Agriculture****Bachelor of Science Honours in Agriculture  
Semester End Examination - Jul 2024****Duration : 180 Minutes  
Max Marks : 100****Sem VI - AGRI3014 / A1UA605B  
- Post harvest Management and Value Addition of Fruits and Vegetables****General Instructions***Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) What is non climacteric fruit? K1(2)
- 2) Explain principles of fermentation for preservation. K2(4)
- 3) Summarize the difference between maturity and ripening in fruits and vegetables, and how do these processes impact post-harvest handling. K2(6)
- 4) Plan harvesting of Banana crop based on heat unit calculation. Why heat units calculation is better than calculating days from full bloom? K3(9)
- 5) Develop a plan for maximising profits of a onion farmer. Planning marketing and value added products for an onion grown in one hectare land. K3(9)
- 6) Plantation crops require processing before it comes to market. What would you recommend to farmers to increase their profits? K5(10)
- 7) How processed products are examined for microbial contamination? K4(12)
- 8) Summarise Zero energy cooling chamber construction, working and how it is beneficial for farmers? K5(15)
- 9) Summarize the fermented beverage history, present status and scope. K5(15)
- 10) Elaborate in process of field harvesting and grading for domestic and international market of following crops 1. Mango, 2. Guava 3. Onion 4 garlic, 5 Orange and 6. okra K6(18)