

**School of Agriculture**

**Master of Science in Fruit Science  
Semester End Examination - Jun 2024**

**Duration : 180 Minutes  
Max Marks : 100**

**Sem II - A1PE206B - Protected Cultivation and Secondary Agriculture***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) Name the different types of greenhouse based on shape with brief explanation? K1(2)
- 2) Explain the physical properties of shape and size of the grain. K2(4)
- 3) Outline the features of thin layer method of grain drying ? K2(6)
- 4) Give an explanation of the Louisiana State University (LSU) dryer construction. K3(9)
- 5) How can an effective agriculture be sustained? Provide suitable solutions. K3(9)
- 6) Interpret the significance of ventilation and relative humidity in a greenhouse. K5(10)
- 7) Examine the fundamentals of deep bed drying. K4(12)
- 8) Determine the greenhouse's evolution in brief. K5(15)
- 9) What qualities determine natural ventilation from artificial ventilation? K5(15)
- 10) Elaborate the materials that is used in building frames for greenhouse and explain the characteristic features of woods. K6(18)