## KERALA AGRICULTURAL UNIVERSITY

B.Sc. (Ag) 2006 Admission VI Semester Final Examination July / August 2009

Time: $2\frac{1}{2}$ hours (20 X 0.5 = 10)
$(20 \times 0.5 = 10)$
ion
mal defects
$(14 \times 1 = 14)$

- 7. What is sulphitation?
- 8. Define marmalades.
- 9. Expand RTS.
- 10. Expand MAS and CAS.
- 11. Ethylene absorbants.
- 12. Define dehydration.
- 13. What is blanching?
- 14. Define pasteurization.

## III. Short notes any eight questions.

 $(8 \times 2 = 16)$ 

- 1. Role of radiation in shelf life of fruits & vegetables.
- 2. Preparation of sugar syrup.
- 3. Different methods of sterilization.
- 4. Pre cooling of vegetables.
- 5. Artificial food colours.
- 6. Mention the different methods of fermentation.
- 7. Cider vinegar.
- 8. List out the value addition in Mango.
- 9. Write the by products from the citrus.
- 10. What is nectars and cordials?

## IV. Short essays on FIVE questions

 $(5 \times 4 = 20)$ 

- 1. What is packaging? Discuss the different packaging materials with advantages and disadvantages.
- 2. Define preservatives? Discuss the different preservatives and their merits and demerits.
- 3. Discuss the role of pre-harvest treatments on storage of fruits.
- 4. What is ethylene? Discuss briefly on the management of ethylene.
- 5. Discuss on the nature and causes of losses during storage of Horticultural produces.
- 6. Discuss on the zero energy cool chamber its functions and principles with diagram.

\*\*\*