



EASTERN UNIVERSITY, SRI LANKA
FACULTY OF AGRICULTURE
FINAL YEAR FIRST SEMESTER EXAMINATION IN AGRICULTURE – 2003/2004

SYSTEM CONCEPTS APPLIED TO POST HARVEST APPLICATIONS (AEN 4112)

Answer all questions

Time: 01 hour

1. Write short notes on the following,
 - i. Adsorption – desorption isotherms.
 - ii. Optical properties of fruits and vegetables.
 - iii. Water activity.
 - iv. Thermal conductivity.

2. Define the term " Design Philosophy" and explain the key duties and responsibilities of a design engineer in designing and developing an effective design.