



EASTERN UNIVERSITY, SRI LANKA

SECOND YEAR SECOND SEMESTER EXAMINATION IN AGRICULTURE- 2006/2007

(JUNE/JULY -2014)

AEN 2202- POSTHARVEST TECHNOLOGY

EXTERNAL DEGREE

Time: Two hours

Answer all questions

1. a. Briefly explain the importance of drying.
b. Give the technological options to improve sun drying.
c. Discuss the advantages and disadvantages of parboiling of paddy.
 2. a. Briefly explain the process involved in postharvest technology of paddy.
b. 2.5 m^3 of grains are being dried at 45°C dry bulb (db) and 26°C wet bulb (wb) temperatures. The rate moisture removal is 12.5 kg per hour. If outside air is 20°C (db) and 40% RH, determine flow rate of outside air needed per minute to carry away the evaporated moisture. (Psychrometric chart is provided)
 3. a. Briefly discuss the characteristics of bag and bulk storage methods of paddy.
b. List out the measures which should be taken to minimize postharvest losses of cereals.
 4. a. Briefly explain the causes of postharvest losses in fruits and vegetables.
b. Describe the role of pre-harvest and postharvest factors in the storage of farm products.
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