

EASTERN UNIVERSITY, SRI LANKA

SECOND YEAR SECOND SEMESTER EXAMINATION IN AGRICULTURE- 2006/2007

(JUNE/JULY -2014)

AEN 2202- POSTHARVEST TECHNOLOGY

EXTERNAL DEGREE

(Repeat Exam)

Time: Two hours

Answer all questions

1. a. Briefly explain the mechanisms of drying.
b. Briefly discuss the sun drying method for grains. List out the techniques to improve the sun drying method.
 2. a. Briefly explain the steps of modern milling process in 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 about the sources of postharvest losses in fruits and vegetables.
b. Briefly explain the factors affecting the storage life of farm products.
 4. Write short notes on the following:
 - a. Quality control of paddy
 - b. Advantages and disadvantages of parboiling
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