

EASTERN UNIVERSITY, SRI LANKA

SECOND YEAR SECOND SEMESTER EXAMINATION IN AGRICULTURE- 2011/2012

(January/February-2014)

AEN 2202- POSTHARVEST TECHNOLOGY

REPEAT

Time: Two hours
Answer all questions

Give the advantages of grading system of paddy during marketing.

A grain dryer requires drying air at 46°C with the flow rate of $300\text{m}^3/\text{min}$. The atmospheric air is 24°C and 68% RH. Find out the required power to heat the air.

(Psychrometric chart is provided)

- a. Explain the process involved in modern milling operation of paddy.
- b. Give the technology options to improve sun drying of grains.
- c. Briefly describe the process involved in postharvest technology of grain.
- d. Give the advantages of storage of cereal grains.
- e. Briefly discuss the different methods of parboiling of paddy.
- f. Discuss the advantages and disadvantages of parboiling of paddy.

Write short notes;

- a. Various types of postharvest losses in fruits and vegetables.
 - b. Factors affecting storage life of fruits and vegetables.
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