

EASTERN UNIVERSITY, SRILANKA
THIRD YEAR FIRST SEMESTER EXAMINATION IN AGRICULTURE - 2012/2013
(October – 2015)
Special Repeat Examination

AE 3101 – POSTHARVEST TECHNOLOGY (2:20/20)

Time: One hour

Answer all questions

01.

- (i) Briefly describe the effect of moisture content during the harvesting operation of paddy.

- (ii) A grain mass of 2.5 kg is being dried at 47°C dry bulb temperature and 32°C wet bulb temperature. The drying rate of the ^{grain mass} ~~lumber~~ is 12.5 kg of water per hour. If outside air is at 27°C dry bulb temperature and 80% relative humidity, how much outside air is needed per minute to carry away the evaporated moisture?
(Psychrometric chart provided).

02.

- (i) Explain the importance of pre-cooling in postharvest handling of fruits and vegetables.

- (ii) Give a brief note on utilization of by products from rice milling industry.