



The Open University of Sri Lanka  
Faculty of Engineering Technology  
Final Examination 2005  
AEX3233 Postharvest technology I  
AED2213 Postharvest technology

Date : 28-03-2006

Time : 0930-1230 hours

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**SECTION 2: Answer any four (4) questions. All questions carry equal marks.**

1. Draw a cross-section of a rice grain and name the important constituents.  
Describe the parts removed in rice processing.  
Explain how by-products of milling are used.
2. Why is it important to control the moisture content in grains for milling and storage?  
Describe common drying methods used in the grain industry.
3. Write short notes on 3 of the following.
  - (a) equilibrium moisture content
  - (b) tempering in grain drying
  - (c) conveying systems of grains
  - (d) products of respiration
4. Storage of rice is done to stabilize prices. Describe typical storage systems used to suit different markets.  
  
How do the systems affect the prices of stored grains?
5. Describe methods used in grading and sorting rice in a mill.  
Explain how the market-price is dependent on the quality of rice and how the quality is determined.