

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD  
SEMESTER END EXAMINATION

B.B.A. (Agri.)

Semester : III (New)	Term : I	Academic Year : 2016-17
Course No. : ENGG 232	Title : Post Harvest Technology of Cereals, Pulses, Oilseeds and Cash Crops	
Credits : 2(1+1)	Time : 9.00 to 11.00	Total Marks : 40
Day & Date : Saturday, 19.11.2016		

- Note :
1. Solve ANY EIGHT questions from SECTION "A".
  2. All questions from SECTION "B" are compulsory.
  3. All questions carry equal marks.
  4. Draw neat diagrams wherever necessary.

SECTION "A"

- Q.1 Explain scope and importance of post harvest technology.
- Q.2 550 kg of paddy at 20% moisture content (wb) is dried to 14% moisture content (wb) for milling. Calculate the amount of moisture removed in drying.
- Q.3 What is mechanical drying? Explain the features of mechanical drying.
- Q.4 Enlist the types of storage structure and give the requirements of a good storage structure.
- Q.5 What is Equilibrium Moisture Content (EMC)? Give the importance of EMC.
- Q.6 Define expression. Explain screw press oil expression method.
- Q.7 Explain in detail CFTRI process of parboiling of paddy.
- Q.8 Write short notes (Any Two).
- 1) Magnetic Separator
  - 2) Deep bed drying
  - 3) Centrifugal dehusker
- Q.9 Explain vapour compression refrigeration system with its essential parts.
- Q.10 Write in brief about different unit operations in processing of oil seeds and pulses.

SECTION "B"

- Q.11 Define the following terms.
- 1) Agriculture processing
  - 2) Thin layer drying
  - 3) Grading
  - 4) Crushing efficiency
- Q.12 Fill in the blanks.
- 1) The inclined draper belt performs the separation on the basis of \_\_\_\_\_ of seed.
  - 2) \_\_\_\_\_ is a graphical representation of thermodynamic properties of air.
  - 3) LSU dryer is a \_\_\_\_\_ type of grain dryer.
  - 4) The capacity of Kothar type grain storage structure varies from \_\_\_\_\_ to \_\_\_\_\_ tones.

