

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.B.A. (Agri.)

Semester : III (New)	Term : I	Academic Year : 2017-18
Course No. : ENGG 232	Title : Post Harvest Technology of Cereals, Pulses, Oilseeds and Cash Crops	
Credits : 2(1+1)		
Day & Date : Tuesday, 14.11.2017	Time : 9.00 to 11.00	Total Marks : 40

- 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 Define post harvest technology? Give importance of post harvest technology.
- Q.2 What are the most common types of mechanical devices for grain handling? Explain in short the belt conveyor.
- Q.3 What is sun drying? Enlist the advantages and disadvantages of sun drying.
- Q.4 Explain Kothar type storage structure.
- Q.5 Write short notes (Any Two).
- a) Equilibrium moisture content
 - b) The general sequence of processing
 - c) Sack drying
- Q.6 500 kg of paddy @ 22% moisture content (w.b.) is dried to 14 % moisture content (w.b.) for milling calculate the amount of moisture removed in drying.
- Q.7 Enlist the advantages and disadvantages of parboiling of paddy.
- Q.8 What measures can be taken for good storage?
- Q.9 Enlist the bulk grain storage structures and give capacities of various storage structures.
- Q.10 Enlist the different methods of grain drying and explain one of them.

SECTION "B"

- Q.11 Fill in the blanks.
- 1) In freeze drying the liquid phases occurs at the pressure above _____.
 - 2) Louisiana state University dryer is a _____ type of grain dryer.
 - 3) The capacity of kothar type storage structure varies form _____ to _____ tonnes.
 - 4) For groundnut losses during storage is reported to be _____ per cent.

- Q.12 Match the following pairs.

"A"

- 1) Equilibrium moisture content
- 2) Cotton
- 3) Chemical drying
- 4) Disk separator

"B"

- a) NaCl
- b) Length of seed
- c) Chang-Pfost equation
- d) Delinting