MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE

SEMESTER END EXAMINATION

B.Sc. (Hons.) Agri. Business Management

Semester	: **III (New)**	**Term**	: **I**	**Academic Year**	: **2019-20**
Course No.	: ENGG 232	**Title**	: **Post Harvest Technology of Agricultural Crops**		
Credits	: 2 (1+1)				
Day & Date	: Monday, 11.11.2019	**Time**	: 09.00 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 Determine the quantity of parboiled paddy with 40 per cent moisture content (wb) required to produce one tone of dried paddy with 12 per cent moisture content (wb).

Q.2 Explain in short the general sequence of seed processing.

Q.3 What is mechanical drying? Explain the features of mechanical drying.

Q.4 Define post-harvest technology. Write down importance of post-harvest technology.

Q.5 Enlist different types of storage structures and give the requirement of good storage structure.

Q.6 Define refrigeration. Explain the operation of vapour compression refrigeration system.

Q.7 Define expression. Explain in detail screw press oil expression method.

Q.8 State the principle of parboiling. Write down the advantages and disadvantages of parboiling.

Q.9 Explain the principle construction and operation of indented cylinder separator.

Q.10 Write short notes. (Any Two)

a) Belt conveyer
b) Deep bed drying
c) Screw conveyer

SECTION "B"

Q.11 Fill in the blanks.

1) Removal of few large particles in an initial process is known as _____.
2) LSU stands for _____.
3) The recommended belt speed of belt conveyor _____m/s for minimum product damage.
4) _____ is an endless belt operating between two pulleys supported on idlers.

Q.12 Match the following pairs.

'A'	'B'
1) Parboiling	a) Crushing and shearing force
2) Spiral separator	b) Rolling ability
3) Ball mill	c) Hydrothermal process
4) Attrition mill	d) Impact force

✧ ✧ ✧ ✧ ✧ ✧ ✧ ✧ ✧ ✧ ✧

agromind.in

Telegram - AgroMind