

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Agri.)

Semester	: VI (New)	Term	: II	Academic Year	: 2016-17
Course No.	: ENGG 364	Title	: Protected Cultivation and Post-harvest Technology		
Credits	: 2 (1+1)				
Day & Date	: Thursday, 04.05.2017	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 Enlist types of green houses based on shape, utility, construction and covering material.
- Q.2 Enlist any four components of green house environment. Write properties of ideal covering material of green house.
- Q.3 Enlist different irrigation systems used in green house. Write a short note on 'drip irrigation system.'
- Q.4 State and explain the advantages of green house.
- Q.5 What are different ingredients of root media used for green house cultivation? Write a short note on C:N ratio of root media.
- Q.6 Explain the construction and working of LSU dryer with the help of neat diagram.
- Q.7 Enlist the different types of grain storage structures. Explain in short any one:
- Q.8 Write the difference between:
- 1) Grading and sorting.
 - 2) Inclined draper and magnetic separator.
- Q.9 State the working principle of specific gravity separator.
- Q.10 Enlist the different quality standards used for food quality. Write short note on 'AGMARK Standards'

SECTION "B"

- Q.11 Fill in the blanks.
- 1) The spiral separates the grains as per their _____.
 - 2) A panel of glass may transmit _____ of available visible light.
 - 3) The ratio of nitrogen to carbon in root medium should be _____ for decomposition of organic matter.
 - 4) Bukhari type storage structures capacity is _____ tonnes.
- Q.12 Define the following terms.
- 1) Cleaning
 - 2) Green house effect
 - 3) Visible light
 - 4) Seed Treatment.

