



KERALA AGRICULTURAL UNIVERSITY
B.Tech.(Food Engg.) 2016 Admission
VII Semester Final Examination-December 2019

Fdpr 4107

Storage and Preservation Technology (1+1)

Marks: 50
Time: 2 hours

I Fill in the blanks:

(10x1=10)

1. The capacity of morai storage structure is _____.
2. An example for liquid fumigant is _____.
3. Safe moisture content for storage of paddy is _____ percent.
4. The distance between the stacks in bag storage is _____.
5. In general, insects are killed when oxygen level in the inter-granular air falls to about _____ percent.

Define

6. MAP
7. Pusa bin
8. Aeration
9. Rankine's equation
10. Warehouse

II Answer ANY FIVE of the following

(5x2=10)

1. Write in brief about the irradiation method of storage.
2. Differentiate between internal and external friction.
3. List out the benefits of aeration.
4. What do you mean by respiration quotient and Rankine's equation?
5. Explain in situ storage structure
6. Explain ZECC and its principle
7. What are the characteristics of bulk grains?

III Answer ANY FIVE of the following

(5x4=20)

1. Write a note on rural grain storage structure.
2. Write a note on various preventive measures adopted to control pest while storing grains.
3. Explain the different types of storage of horticultural crops.
4. Explain in brief about evaporative cooling.
5. Explain about the different measures taken for rodent control.
6. What are the changes occurring during ripening of fruits?
7. Explain about MAP and CAP

IV Write an essay on ANY ONE of the following

(1x10=10)

1. Classify the storage structures and explain any two with neat sketches.
2. Explain the different kinds of changes occurring in food grains during storage.
