KERALA AGRICULTURAL UNIVERSITY
B.Tech (Agrl.Enng) 2011 Admission
VII th Semester Final Examination-January -2015

Cat. No: Phpt.4108   Marks: 80
Title: Storage Engineering (2+0)   Time: 3 hours

I. Fill up the blanks/state true or false/Define: (10 x 1 = 10)

1. ------- % moisture content is safe for storage of grains

2. Bukari, morai and Kothar are -------- storage structures

3. Define respiration

4. What are the gases used in MAS?

5. Name any two parameters to be considered for calculation of refrigeration load during storage of perishables

6. In bag storage structures, the length of the structure is about twice the width (True/False)

7. Capacity of morai type structure is ------- tonnes.

8. Expand EDCT.

9. Name the methods for the control of destructive agents

10. Stored grains sprouts if the moisture content exceeds the limit of moisture content of 40-50% (True/False)

II. Write short notes/answers on ANY TEN   (10 x 3 = 30)

1. Write about effective tension in belt conveyor

2. Brief about hopper bottom silos

3. Why hydrodynamic laws are not applicable for the flow of granular materials

4. List out the points to be considered for selection of conveying system

5. Write short notes on various sources of infestation

6. List out the advantages of hermetically sealed storage

7. What are all the effect of moisture content on stored seeds

8. Write the principle and advantages of CAS

9. Write briefly about deep and shallow bins for storage of grains

10. Write short notes on the storage conditions for fruits in cold storage system

11. What are all measures to be carried out to control rats in godown

12. List out the points to be considered in the selection of godown for grain storage