



KERALA AGRICULTURAL UNIVERSITY
B.Tech. (Food Engg.) 2014 Admission
VIII Semester Special Re- examination – June 2018

Fdpr.4107

Storage and Preservation Technology(1+1)

Marks: 50
Time: 2 hours
(10x1=10)

I Choose the correct answer

- 1 The carryover insect from field to storage
a Red flour beetle b Pulse beetle c Rice moth d None of these
- 2 The pulse beetles lay their eggs
a On the grain b Inside the grain c Cracks d All of these
- 3 Ecological condition(s) affecting storage condition
a Temperature b RH c Both a. and b d None of the above
- 4 The activity of CWC is
a Procurement of grains b Storage of grains
c Milling d All of the above
- 5 Water activity in food can be measured using
a Resistive electrolytic hygrometer b Capacitance hygrometer
c Dew point hygrometer d All the above

Fill in the blanks

- 6 The purpose of dunnage used in grain storage are ----- and -----
- 7 Unit of ionizing radiation used in food irradiation process is -----

State True or False

- 8 Tail of house rat is equal to the size of the body plus head.
- 9 Transfer of heat from interior to surface of fruit is convection.
- 10 Refrigerating capacity of compressor is rated in Kcal/hr.

II Write Short notes on ANY FIVE of the following

(5x2=10)

- 1 Two improved storage structures in India.
- 2 The hosts of Red flour beetle.
- 3 Dunnage and its purpose.
- 4 The Government organizations for storing grains.
- 5 The reasons for spoilage of fruits.
- 6 The losses due to storage of high moisture grains.
- 7 Evaporative cooling.

P T O

III Answer ANY FIVE of the following

(5x4=20)

- 1 The ideal storage conditions for fruits.
- 2 Sparrow.
- 3 The design requirements of godowns for safe storage.
- 4 Low temperature storage of food products.
- 5 The methods of storage for pulp and other liquid foods.
- 6 Hapur and Metal bins bin.
- 7 Fumigation of grains.

IV Write answer ANY ONE of the following

(1x10=10)

- 1 Explain and compare bag and silo storage of grains.
- 2 Controlled atmosphere storage of fruits and vegetable.
