

KERALA AGRICULTURAL UNIVERSITY

B.Tech (Agrl.Engg) Degree Programme 2013 Admission

VIth Semester-Final Examination-July-2016

Cat. No: Phpt.3205

Marks: 50

Title: Agricultural structures and Environmental control (2+0)

Time : 2 hours

I. Fill up the blanks

(10 x 1=10)

- In the stall barn, the floor area required per cow is _____.
- The seasoning of timber is done to _____.
- Floor area required per bird in deep litter poultry house is _____.
- The average size of bull shed is _____ (m x m).
- Fire bricks are used to _____.

State the following statements are True or False

- In Loose housing cows are housed and milked in same building.
- Pen barn are structures for sheltering and restricting dairy animals.
- The average water requirements of cow is 100 liters per capita per day.
- Pit silo is constructed in areas of shallow water table depth.
- In deep litter poultry house, the floor area provided per bird is usually 1.0 m².

II. Answer any FIVE of the following

(5 x 2=10)

- Mangers.
- Cage houses .
- Hanging feeder.
- Stanchion barn
- Primary treatment.
- Soakage pit.
- Fodder silo.

III. Write short notes on ANY FIVE of the following

(5 x 4=20)

- Explain construction of dairy barn.
- Discuss cost estimation of dairy barn.
- Enumerate poultry equipments.
- Explain milking house system.
- Discuss compost pit design.
- Design a septic tank for small family.
- Explain dairy barn face out type with neat sketch.

IV. Write essay on ANY ONE of the following

(1 x 10=10)

- Discuss in detail about various building material for farm house and animal shelters.
- Design a litter type poultry house for housing 500 birds.
