

KERALA AGRICULTURAL UNIVERSITY

B.Tech (Agrl.Engg) 2010 Admission
VIth Semester Final Examination- June -2013

Cat. No: Phpt.3205

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

Marks: 80

Time: 3 hours

Part -I

Answer the following

(10×1.0= 10.0)

Fill up the blanks

1. For poultry housing in warm climates, window area should be 25 % of _____.
2. In _____ cows are housed and milked in same building.
3. Floor area required per hundred adult hen is _____
4. A water closet is usually made of _____
5. The average capacity of septic tank should not be less than _____

State the following statements True or False

6. Rat proof cones are provided in a grain storage structure at a height of 5 m.
7. In deep litter poultry house, the floor area provided per bird is usually 0.4 m²
8. From the management point of view, farm house should be located on one side of the farm
9. In the stall barn, the floor area (m²) required for per cow is 5.6 to 7.5
10. The strength of cement concrete depends on quality of cement only

Part II

(10×3=30.0)

Answer any TEN of the following

Write short notes on

1. Trench silo
2. Gutters
3. green house effect
4. Egg retainer
5. cage house
6. BIS
7. Mortar
8. Compost

9. Dairy barn
10. BOD
11. Sanitation
12. Rural roads

Part III

(6 × 5.0 =30.0)

Answer any Six questions

1. Explain construction pit silo
2. Explain wire floored house for poultry.
3. What is open air barn?
4. Write a detailed note on modern farm house
5. Discuss BIS for piggery
6. Write a note on farm fencing.
7. Explain fodder silo construction
8. Discuss compost pit design.

Part-IV

(1 × 10.0 =10.0)

Answer any one question

1. Explain construction and working of brooder house.
2. Discuss primary and secondary treatment of food plant waste.
