

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD  
SEMESTER END EXAMINATION

B. Sc. (Hons.) A.B.M.

Semester	: II (New)	Term	: II	Academic Year	: 2018-19
Course No.	: ENGG 121	Title	: Farm Structures and Greenhouse Technology		
Credits	: 2 (1+1)	Time	: 09.00 to 11.00	Total Marks	: 40
Day & Date	: Thursday, 09.05.2019				

- Note :
1. Solve ANY EIGHT questions from SECTION "A".
  2. All questions from SECTION "B" are compulsory.
  3. All questions carry equal marks.
  4. Draw neat diagrams wherever necessary.

SECTION "A"

- Q.1 Define greenhouse. Give the classification of greenhouse.
- Q.2 Enlist types of dairy barns. Explain loose housing barn.
- Q.3 Enlist the different irrigation systems used in greenhouse. Explain in detail perimeter watering with neat sketch.
- Q.4 What are the different types of poultry housing? Explain deep litter poultry house.
- Q.5 What are the different types of farm fencing? Explain plain wired fencing.
- Q.6 Define farmstead. Explain size and arrangement of the farmstead.
- Q.7 Enlist the different building materials used for construction. Give the properties of concrete.
- Q.8 Discuss the role of light and ventilation on greenhouse crop.
- Q.9 Calculate the quantities of cement, sand and gravel required to prepare 81 cu.ft of concrete having 1:3:4 as the propagation of aggregates.
- Q.10 Write short notes (Any Two) :
- a) Slump test
  - b) Milking parlour
  - c) Classification of Bricks

SECTION "B"

- Q.11 Fill in the blanks.
- 1) Cage house is generally built in \_\_\_\_\_ region.
  - 2) \_\_\_\_\_ type of greenhouse is constructed on hilly terrain.
  - 3) Gutter in stanchion barn is \_\_\_\_\_ cm wide.
  - 4) The light intensity is measured by the international unit known as \_\_\_\_\_.
- Q.12 Define the following terms.
- 1) Greenhouse
  - 2) Curing
  - 3) Fencing
  - 4) Sewage

