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The Open University of Sri Lanka  
Faculty of Engineering Technology  
Department of Agricultural and Plantation Engineering



Study Programme : Bachelor of Industrial Studies Honours (Agriculture)  
Name of the Examination : Final Examination  
Course Code and Title : AGX6534/AEI6234 Environmental Control in Farm Structures  
Academic Year : 2019/2020  
Date : 09.10.2020

**Section 11**

1. "Planning is the first and most important step in designing a farmstead" discuss the statement giving reasons.
2. "Control Environmental Agriculture can be helpful in improving crop production in Sri Lanka". Critically evaluate the statement.
3. (i). Explain the **three (03)** ways of heat transfer.  
(ii). Describe the factors to be considered when selecting insulation materials for farm structures.
4. (i). Explain the importance of ventilation of farm structures.  
(ii). List down the ventilation methods used in farm structures in Sri Lanka and discuss their advantages and disadvantages.
5. (i). Explain the disadvantages of condensation in farm structures.  
(ii). Discuss the methods available to prevent condensation in farm structures.
6. Write short notes on any **two (02)** of following.  
(i). Foundations and footings of farm structures.  
(ii). Air quality in modern livestock barns.  
(iii). Temperature reduction measures in green houses.

