

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 Environmental Control in Farm Structures
Academic Year	: 2020/2021
Date	: 12.02.2022

Section 11

1. Critically evaluate the suitability of any **five (05)** building materials that can be used to construct farm structures suitable for rural farmers in the dry zone of Sri Lanka.
(25 marks)
2. "Control Environmental Agriculture (CEA) is a technology based approach for food production that can be used to improve the food security in Sri Lanka."
Critically evaluate the statement.
(25 marks)
3. Assume that you have been appointed as a consultant of an agricultural project under which a commercial scale cattle farm is to be established. As the consultant how do you aware your subordinates on the importance of planning?
(25 marks)
4. Discuss the factors to be considered when selection of a site for a commercial scale cattle farm.
(25 marks)
5. List down the available ventilation methods that can be adopted in farm housing. Considering the climatic and socio economic conditions in the country evaluate the suitability of them to adopt in farm housing in the dry zone.
(25 marks)
6. Write short notes on any **two (02)** of following.
 - (i). Insulation of farm structures.
 - (ii). Temperature control in green houses.
 - (iii). Condensation in farm structures.

(each section carries 12.5 marks)

