



UNIVERSITY OF RUHUNA
FACULTY OF AGRICULTURE

Second Examination in BSc Agricultural Resource Management and Technology (Part II)

February 2022

AS2202 Non-Ruminant Management (Compulsory)

Essay Type

TIME: 1 (one) Hour

INSTRUCTIONS

Answer **only Two** questions.
Only non-programmable calculators are permitted.
Mobile phones are NOT permitted.

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- 1) a). Explain the importance of record-keeping for successful poultry management. (30 marks)
 - b). Discuss briefly the advantages of culling for profitable poultry operation. (30 marks)
 - c). Describe the importance of managing the poultry litter. (40 marks)

 - 2) a). Describe the reasons for rapid development of the poultry industry during the last four decades compared to other livestock industries in Sri Lanka. (50 marks)

 - b). The replacement stock of a swine breeding unit should consist of number of animals allocated for culling and another few animals as safety margin.
 - i) Briefly explain the purpose of keeping a replacement stock in a breeding farm. (20 marks)
 - ii) If the number of breeding sows in a farm is 9, calculate the additional number of gilts that must be kept as an allowance for culling. (15 marks)
 - iii) Calculate the number of gilts that must be reared as the safety margin. (15 marks)

 - 3) a) Explain the reasons for rapid declining of mini pigs within the pig production systems in Sri Lanka (20 marks)
 - b) Describe the piglet processing activities, highlighting the importance of each activity. (60 marks)
 - c) Explain the reasons for prolonged weaning to heat durations found in some pig breeding farms. (20 marks)