

EASTERN UNIVERSITY, SRI LANKA
THIRD YEAR SECOND SEMESTER EXAMINATION IN AGRICULTURE
(2011/2012)

AS 3201 PRACTICES IN LIVESTOCK PRODUCTION

Mar/Apr 2015

Answer all questions

Time allowed: 2 hours

1.
 - a. Define the terms 'acid precipitation of milk' and 'milk coagulation'
 - b. Illustrate the detail steps involved in yoghurt making and explain the purpose of adding ingredients
 - c. What is bird flu (Avian Influenza)? and suggest the control programme for this disease
 - d. Explain the main drawback identified in cattle and buffalo unit at the livestock farm, EUSL during your farm practice course and explain the way to improve the unit in future.
2.
 - a. List out the special practices that you carried out in management of goat and/or sheep in EUSL farm during your practice period.
 - b. Discuss the constraints encountered in managing the goats at EUSL livestock farm.
 - c. Explain the processes involved in artificial breeding of carps from selection of broodfish up to hatching of fertilized eggs practiced in Dambulla fish breeding centre.
 - d. Explain the feeding practices carried out in Dambulla fish breeding centre for carps during
 - i. Post-larvea to fry stage
 - ii. Fry to fingerling stage
3.
 - a. Name the swine breeds available at livestock farm, EUSL
 - b. How would you advice a farmer to improve the swine productivity through special feeding practices at low cost?
 - c. Give a brief description on the key practices necessary in rabbit breeding

EASTERN UNIVERSITY, SRILANKA
THIRD YEAR EXAMINATION IN AGRICULTURE SCIENCE 2012/2013
SECOND SEMESTER (Proper & Repeat) (March 2015)
AB 3201 PLANT RESISTANCE TO PESTS

Time: 01 hour.

Answer all questions.

(Illustrate your answers with clear labeled diagrams where necessary)

1. a). What is inducible resistant mechanism?
(10 marks)
- b). List the events that take place when a chewing insect feed on the tomato plant.
(20 marks)
- c). Discuss briefly the host plant selection by phytophagous insects.
(70 marks)
2. a). With known example, explain the role of root Rhizobacteria in activating resistant mechanism in plants.
(30 marks)
- b). Comment on **any two** of the following:
 - i). Antibiosis effect of resistant rice variety with Brown Plant Hopper (BPH);
 - ii). Advantages and disadvantages of using resistant crop varieties in IPM;
 - iii). Steps in crop improvement programme on the case study of whiteflies on Cassava.
(70 marks)

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