



Faculty of Animal Science & Export Agriculture
Uva Wellassa University of Sri Lanka



BASc Degree Program
Year III Semester II

End Semester Examination – August/ September, 2011

ANS 321-2 Livestock Farming System (Repeat Examination)

Essay Questions (Section II)

Instructions:

Answer questions in Section II in booklets provided.

No. of questions : Two (02)

No. of pages : Two (02)

Time : One hour (1 hr)

Total marks allocated : 60%

Index No:

(1)

Mr. Perera has a Livestock-Crop mixed farm in Dambulla area in Mathle District. He presently manages a local buffalo herd and cultivates 4 ha of paddy field. Buffalos are allowed "outfield" grazing in the daytime and stall fed with paddy straw in the night. He is planning to replace the buffalo herd with a pure bred Jersey herd. Further, he will replace the 4 ha paddy field with Brachiaria – Legume mix forage in order to feed the cattle in stall.

(I) Identify the present mode of farming and the planned mode of farming. Draw a diagram to show the changes of resource flows that can be expected when the present mode of farming is changed to the planned mode of farming. You may use thick and thin arrows to indicate the increase and decrease of each resource flow, respectively.

(II) Under each of the three (3) key interfaces of the farming system, describe the significant changes Mr. Perera should expect between the present and planned modes of farming.

(50 marks)

(2)

- (I) Compare EXPAGR and HEIA modes of agricultures in relation to mix-blessings and curse.
- (II) Briefly describe the importance of soft system methodologies in farming system research.
- (III)
 - (i) What do you mean by a SWOT analysis?
 - (ii) Provide possible findings of a SWOT analysis conducted in a Peri-urban cattle farming system.

(50 marks)

[End of Section II]