



**Uva Wellassa University of Sri Lanka**  
**Faculty of Animal Science & Export Agriculture**  
**BASc Degree Program**  
**Year II Semester II**  
**End Semester Examination – September/October 2012**  
**ANS 223-2 Swine Management & Breeding**  
**Essay Questions (Section II)**



**Instructions:**

Answer all questions in Section II in booklets provided.

No. of questions : Two (02)

No. of pages : One (01)

Time : One hour (1 hr)

Total marks allocated : 60%

Index No:

1. You are an undergraduate student of an entrepreneurial university. After the graduation if you are willing to establish a piggery as your enterprise, calculate the herd composition of the piggery which targets to supply 1500 kg pork monthly to the market using assumptions mentioned below.

**Assumptions:**

Gestation period of sow	- 16 weeks
Litter size at birth	- 8 piglets
Pre – weaning mortality	- 8 %
Post weaning mortality	- 1 %
Lactation period of sow	- 5 weeks
Replacement policy	- 1/3 <sup>rd</sup> per year
Weight at slaughter	- 70 kg
Age at slaughter	- 6 months
Dressing percentage	- 70 %
Number of boars	- 1 (boar) : 10 (sows)

(100 marks)

2. Write short notes on the following:

- |                       |            |
|-----------------------|------------|
| a. Feeding of swill   | (40 marks) |
| b. Swine dysentery    | (30 marks) |
| c. Weaning of piglets | (30 marks) |

[End of Section II]