



The Open University of Sri Lanka  
Faculty of Engineering Technology  
Bachelor of Industrial Studies (Agriculture) Programme  
Final Examination- 2015  
AEI4238 Agricultural biology 11

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**SECTION II**

- Contains six questions.
  - Answer any **four (04)** questions.
  - You may spend **two (02)** hours
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1. "Out of animal kingdom, ruminants are the most blessed animals" support this statement while describing structural and functional modifications of ruminant digestive tract.
2. Describe the influence of environmental factors on growth and development of farm animals.
3. Describe formation of an egg with the help of structure and functions of reproductive tract of female poultry (Hen).
4. i. Give **two (02)** examples for each of **four (04)** categories of non infectious diseases of farm animals.  
ii. Name any **two (02)** infectious diseases of farm animals and explain them on following topics.
  - (a) Causal agent.
  - (b) The way of transmission.
  - (c) Diagnosis.
  - (d) Treatments.
  - (e) Prevention and control.

5. Write short essays on any **two (02)** of following.

- i. Functions of pituitary hormones.
- ii. Functions of essential nutrients in animal body.
- iii. Classification of livestock feed stuff.

6. Write short notes on any **four (04)** of following.

- i. Four stages of oestrus cycle of Cow.
- ii. Amino acids in animal diet.
- iii. Non nutritive feed additives.
- iv. Factors affecting digestibility of food in farm animals.
- v. Importance of evaluating animal feed.