



1ST SEM. 2006/7

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

PROGRAMME : B. Sc. (AG.ED, AEM AND APH) YEAR V

COURSE CODE : APH 502

TITLE OF PAPER : POULTRY PRODUCTION

TIME ALLOWED : 2 HOURS

INSTRUCTIONS : ANSWER ANY FOUR (4) QUESTIONS.

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GRANTED BY THE CHIEF INVIGILATOR**

Question 1

- a) Discuss the chicken ovary, egg structure and egg formation. (15 marks)
- b) What are the common defects in egg formation? (10 marks)

Question 2

- a) The satisfactory hatching of fertile eggs is known to be the functions of incubator environment, egg conditions and others. Discuss. (15 marks)
- b) Explain what may be the causes of low fertility and hatchability of eggs. (10 marks)

Question 3

- a) Clearly explain the major peaks of embryonic mortality and methods of sexing chicks at day old. (10 marks)
- b) In a hatchery where there is poor hatchability, what are the common observations and their possible causes? (15 marks)

Question 4

- a) Discuss processing, packaging and marketing of broiler chickens. (10 marks)
- c) What are the sources, function and anti-nutrient factors (if any) of protein, energy, vitamins and mineral nutrients in poultry feeding. (10 marks)

Question 5

- a) On nutrient analysis, it was recorded that maize and groundnut cake contained 9% and 48% crude protein respectively. Using this information formulate 22% and 20% crude protein diets for the grower and finisher broilers respectively. (15 marks)
- b) What will be the quantity of the ingredients in the grower and finisher rations, if 5 tonnes and 10 tonnes of feeds respectively were compounded? (5 marks)
- c) If there is significant decrease in feed intake of the finisher broilers, discuss the possible problems of the diet. (5 marks)

Question 6

Disease prevention in poultry production is through good management and vaccination programmes. Clearly show how these could be achieved in practical poultry management. (25 marks)

GOOD LUCK