UNIVERSITY OF EMBU

INSTRUCTIONS:

Answer Question ONE and ANY Other TWO Question

QUESTION ONE (30 MARKS)

a) Describe the contribution of pig production to the Kenya's economy   (5 marks)

b) Describe the pig and poultry sector in Kenya   (5 marks)

c) Well managed extensive systems provide better welfare in pig production. Substantiate this statement   (3 marks)

d) Discuss the importance of environmental control in a pig establishment   (5 marks)

e) Describe the lighting program in relation to production layers   (5 marks)

f) Describe the effect of air quality on poultry production   (3 marks)

g) Describe the feeding of a sow during gestation and management during farrowing (4 marks)

QUESTION TWO (20 MARKS)

a) Prepare a detailed set of activities for operating a small-scale farm of 10 laying Kienyeji hens and 1 cock in a semi-intensive production system (10 marks)

b) Describe the breeding management of pigs in a multiplication herd (10 marks)

QUESTION THREE (20 MARKS)

a) You have received one-day-old chicks from Kenchic and your role is to manage them up to marketing. Describe the steps on how you will manage the bird and the challenges you will encounter and how you can avoid or handle these challenges (10 marks)

b) Pigs can be managed in a farrow to finish establish. Analyze this system and highlight the feeding and routine management practices in this establishment (10 marks)

QUESTION FOUR (20 MARKS)

a) Discuss the role of feed additives in pig production (8 marks)

b) Discuss monogastric production in relation to food-feed competition and environmental consequences (12 marks)

QUESTION FIVE (20 MARKS)

a) Describe the effect of battery cages on behaviour, stress and welfare of layers (10 marks)

b) Discuss hatchery operations and explain the factors that affect egg fertility and hatchability (10 marks)

END