

2425/202
ANIMAL PRODUCTION II
Oct./Nov. 2022
Time: 3 hours



THE KENYA NATIONAL EXAMINATIONS COUNCIL
DIPLOMA IN AGRICULTURE
MODULE II
ANIMAL PRODUCTION II
3 hours

INSTRUCTIONS TO CANDIDATES

You should have the following for this examination:

Non-programmable scientific calculator;

Answer booklet.

*This paper consists of **EIGHT** question.*

*Answer any **FIVE** questions in the answer booklet provided.*

All questions carry equal marks.

Maximum marks for each part of a question are indicated.

Candidates should answer the questions in English.

This paper consists of 3 printed pages.

Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

1. (a) Highlight the criteria used in fish species selection for pond stocking. (6 marks)
- (b) Explain **seven** clinical symptoms of internal parasites in livestock. (14 marks)
2. Describe the management of piglets. (20 marks)
3. (a) Highlight **five** objectives of poultry breeding. (5 marks)
- (b) Explain poultry feeding management in hot climate under the following:
- (i) feed form;
- (ii) dietary energy concentration. (15 marks)
4. (a) Describe management of mating behaviour in camels. (8 marks)
- (b) Explain **six** adaptive advantages of camel foraging over other livestock species. (12 marks)
5. (a) Explain **three** qualities of a donkey trainer. (6 marks)
- (b) A rectangular fish pond measuring 60 m x 70 m requires stocking with cat fish fingerlings. From research stocking density of cat fish in static water pond is 1.8 kg of fish per meter squared. If the farmer intends to harvest fish of average size 900 g with a mortality rate of 5%, calculate the number of fingerlings to put in the pond. (6 marks)
- (c) Highlight **eight** factors that determine cat fish stocking density in a pond. (8 marks)
6. (a) Explain the following methods of mating in poultry:
- (i) flock mating;
- (ii) pen mating;
- (iii) stud mating. (6 marks)
- (b) Highlight **seven** characteristics of a good dairy camel. (7 marks)
- (c) Outline **seven** signs of a sick draught animal. (7 marks)

7. (a) Highlight **four** clinical symptoms of metritis mastitis agalactia (MMA) in sows. (4 marks)
- (b) Explain the management practices during farrowing. (16 marks)
8. (a) State **four** abnormal stance behaviour in animals. (4 marks)
- (b) Describe internal parasite control in animals. (16 marks)

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