



**UNIVERSITY EXAMINATIONS 2013/2014 ACADEMIC YEAR**

**1<sup>st</sup> YEAR EXAMINATIONS FOR THE DIPLOMA IN AGED, AGMK AND ANHE**

**COURSE CODE/TITLE: KAN D 211 NON-RUMINANT PRODUCTION**

**END OF SEMESTER: II**

**DURATION: 2 HRS**

**DAY/TIME: WEDNESDAY: 4.00 - 6.00PM      DATE: 16/04/2014 (LTN)**

**INSTRUCTION :** Answer all questions in Section A and any two questions in Section B

**SECTION A – 40 marks**

**Question one**

List two systems of feeding pigs ( 1 mark)

**Question two**

a) Differentiate between

- i) Partial cryptorchidism and *atresia ani*
- ii) Hog and lard
- iii) Gilt and cross breeding (3 marks)

b) Mr. Kinya sow's farrowed 8 piglets two weeks ago. Kindly advise him on the following:

- i) Type of feed that should be fed to his sow ( 1 marks )
- ii) Amount of feed that he should give to his sow (3 marks)
- iii) Type of feed recommended for his piglets (1 mark)

**Question three**

Give a reason for the following practices/ activities (5 marks)

- a) Clipping teeth in piglets
- b) Covering litter material in a brooder for the 1<sup>st</sup> three days

- c) Having dim light in a brooder
- d) Detusking a boar
- e) Exercising boars with pregnant sows together

**Question four**

- a) Outline any eight features of a Danish pig design ( 4 marks)
- b) Explain any four water quality parameters important in fish farming ( 4 marks)

**Question five**

- a) List any eight disadvantages of aquatic weed in fish farming ( 4 marks)
- b) Apart from providing safe space for kindling, List any other four uses of kindling/  
breeding box in rabbit production ( 4 marks)

**Question six**

- a) Outline any 8 features/ characteristics of a poor layer. ( 4 marks)
- b) Outline any six criteria of selecting eggs for incubation ( 6 marks)

**SECTION B- 30 Marks**

**Question Seven**

Explain rearing of a pullet chick from preparation of brooder up to 8<sup>th</sup> week (15 marks)

**Question eight**

Assuming you are a fish production officer invited by Kibokoni Farmers Group in Malindi who have interest in fish farming. The farmers want to know the following:

- a) Factors to consider when siting a fish pond
- b) How to plan , design and construct ponds in series
- c) Preparations that needs to be in place before pond stocking.

As a trained expert, address the above three topics (a,b and c) (15 marks)

**Question nine**

- a) Explain any six challenges that is associated with rabbit production in Mavueni Village in Kilifi County. ( 6 marks)
- b) Explain any six routine care that should be carried out in a boar ( 9 marks)