

CHUKA



UNIVERSITY

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**EXAMINATION FOR THE AWARD OF CERTIFICATE IN ANIMAL HEALTH
AND PRODUCTION**

ANSC 00268: AQUACULTURE & APICULTURE

STREAMS: CERT ANHE

TIME: 2 HOURS

DAY/DATE: FRIDAY 12/4/2024

8.30A.M. – 10.30A.M.

INSTRUCTIONS: Answer All Questions in Section A and in Section B

SECTION A (40 marks)

QUESTION 1

- (a) Highlight the aquaculture production systems practiced in Kenya. (4 marks)
- (b) Write down five effects of the rising cost of living to fish farming in Kenya. (6 marks)

QUESTION 2

- (a) Highlight the importance of phytoplanktons within the fish pond. (5 marks)
- (b) Enumerate the challenges facing bee farmers in Kenya. (5 marks)

QUESTION 3

- (a) Highlight the advantages of keeping the African catfish in Kenya. (5 marks)
- (b) State and explain the functions of five bee keeping equipment. (5 marks)

QUESTION 4

- (a) What is absconding? Give four causes of this behaviour. (5 marks)
- (b) Name five products that can be harvested from a hive stating the possible use of each. (5 marks)

SECTION B (30 marks)

QUESTION 5

- (a) Fish farming is currently an important economic activity in Tharaka-Nithi County. Discuss the benefits that accrue from this endeavour. (10 marks)
- (b) Write down five disadvantages of the hapa method of tilapia fingerling production. (5 marks)

QUESTION 6

- (a) Discuss the measures that the government of Kenya can put in place to increase aquaculture activities in the counties. (8 marks)
- (b) Explain the factors that a bee farmer need to consider for successful placement of bee hives within the apiary. (7 marks)

QUESTION 7

- (a) Honey bee pests and predators pose a great economic loss to the bee farmers. Discuss the possible preventive and control measures that can be applied. (8 marks)
- (b) Discuss the reasons for the continued use of traditional hives by the majority of bee keepers in Kenya. (7 marks)
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