

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF CERTIFICATE
IN ANIMAL HEALTH AND PRODUCTION

ANSC 00268: AQUACULTURE AND APICULTURE

STREAMS: CERT. ANHE

TIME: 2 HOURS

DAY/DATE: FRIDAY 07/12/2018

11.30 A.M. – 1.30 P.M.

INSTRUCTIONS: Answer all questions in section A and any two in section B

SECTION A (40 MARKS)

1.
 - (a) Define Aquaculture [2 marks]
 - (b) Outline attributes influencing culturing of Tilapia [2 marks]
 - (c) Highlight disadvantages of culturing rainbow trouts in the tropics [2 marks]
 - (d) Describe feed conversion ratio (FCR) as applied in aquaculture [2 marks]
 - (e) Describe the importance of FCR in fish culturing [2 marks]
2.
 - (a) Describe nutrients requirements of fish [4 marks]
 - (b) Define the following terminologies as applied in fish aquaculture [2 marks]
 - (i) Polycyclic
 - (ii) Fecundity
 - (iii) Flies
 - (iv) Poly culture
 - (c) Outline methods of fingerling production practiced in Kenya [2 marks]
 - (d) Outline factors influencing all-male fingerings production [2 marks]
3.
 - (a) Outline a method of testing soil suitability for fish pond construction [2 marks]
 - (b) Describe factors influencing fish pond dyke height [2 marks]
 - (c) Highlight factors influencing fish pond water intake [2 marks]
 - (d) Outline stressors influencing disease transmission in fish [2 marks]
 - (e) Highlight methods used in disease prevention in fish ponds [2 marks]
4.
 - (a) State the bee species found in Kenya [2 marks]
 - (b) Describe benefits of Kenya top bee hive [2 marks]
 - (c) Highlight the importance of a smoker in bee keeping [2 marks]
 - (d) State common be predators mainly found in Africa [2 marks]
 - (e) Outline a method of harvesting honey from the combs [2 marks]

SECTION B (30 MARKS)

5. (a) Explain in details, factors influencing fish environment [10 marks]
(b) Explain factors influencing fish pond construction [5 marks]
6. (a) Explain factors influencing apiary setting [10 marks]
(b) Describe bee protective clothing [5 marks]
7. (a) Explain in details factors influencing fish supplementary level in fish feeding [10 marks]
- marks]
- (b) Explain ways of promoting bee-keeping in Kenya [5 marks]
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