



**1<sup>st</sup> SEM.2008/2009**

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**UNIVERSITY OF SWAZILAND  
FINAL EXAMINATION PAPER**

**PROGRAMME: B.SC AG.ED YEAR IV, B.SC LWM YEAR IV& B.SC  
AN.SCI YEAR IV**

**COURSE CODE: APH 405**

**TITLE OF PAPER: FISH FARMING**

**TIME ALLOWED: TWO (2) HOURS**

**INSTRUCTIONS: ANSWER FOUR (4) QUESTIONS**

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### QUESTION 1

Suppose that you are given a task to build a fish pond of 20m x 20 m.

- A) Describe the topographic and soil characteristics that you would consider to locate your pond. (12.5 points)
- B) Describe the conditions that a good water-inlet and water-outlet structures would fulfil. (12.5 points)

### QUESTION 2

Suppose that you have chosen Tilapia fish to stock the pond you have built in question 1.

- A) mention three sources where you would be able to get baby fish (9 points)
- B) State the main source of the feed for baby fish (3 points)
- C) Mention the optimum stocking rate which you would need (3 points)
- D) When the fish are fully grown, they must be also offered additional food. Describe the types of feed that can be offered at this stage. (10 points)

### QUESTION 3

With an aid a full labelled diagram, describe briefly the following

- A) The external parts of a fish. (13 points)
- B) The digestive system of a fish (7 points)
- C) The reproductive system of a fish (5 points)

### QUESTION 4

Two fish species, namely Catfish and Tilapia-could have high level of importance in fish farming in Swaziland and Botswana. Characterise these species in terms of their

- A) Natural and Spawning habit (9 points)
- B) Feeding habit (10 points)
- C) Age and growth (6 points)

### QUESTION 5

In fighting against fish diseases, the best thing is to try to prevent for only a very small number can be cured. Describe the routine measures that you would apply to prevent diseases in fish farming. (25 points)