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UNIVERSITY OF SWAZILAND

2nd SEM 2012/2013

SUPPLEMENTARY EXAMINATION PAPER

B.Sc. AN.SCI YEAR IV, BSC A.E.E. YEAR IV, BSC AG.ED PROGRAMME: YEAR IV, BSC ABE YEAR IV

COURSE CODE:

AS 404

TITLE OF PAPER: FISH FARMING

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

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| QUESTION 1 | |
| a) Briefly discuss Rainbow trout farming in Swaziland. | (10 marks) |
| b) Explain the concept, of protogynous hermaphrodite. | (7.5 marks) |
| c) Explain the function of the swim bladder in the fish. | (7.5 marks) |
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| QUESTION 2 | |
| a) Discuss pond construction process. | (15 marks) |
| b) Briefly discuss pond liming. | (7 marks) |
| c) List 3 main source of proteins in fish feed. | (3 marks) |
| QUESTION 3 | |
| a) Explain the concept of oxygen saturation in ppm for freshwater various temperatures (and elevations for freshwater). | and salt water at (12.5 marks) |
| b) Explain the influence of pH for Oreochromis niloticus. | (12.5 marks) |
| QUESTION 4 | |
| a) Describe nutritional diseases common in fish. | (12.5 marks) |
| b) Explain the procedure for flush treatment for fish. | (12.5 marks) |
| QUESTION 5 | |
| | (25 marks) |
| Explain in detail the harvesting procedure of fish in ponds. | (23 marks) |