FEDERAL UNIVERSITY OF TECHNOLOGY, OWERRI
DEPARTMENT OF FISHERIES AND AQUACULTURE TECHNOLOGY
2018/2019 RAIN SEMESTER UNDERGRADUATE EXAMINATION
FAT 308: FISH POND CONSTRUCTION AND MANAGEMENT 2 CR
INSTRUCTION: ANSWER FOUR QUESTIONS, AT LEAST ONE FROM EACH SECTION
TIME: 2 HRS: 30 MINS

SECTION A

1a. What are the main objectives of surveying a particular fish pond?

b. Highlight the importance of water as a prerequisite for pond fish culture

2a. With the aid of a diagram, illustrate the basic importance of some survey instruments commonly used in pond construction

b. What are the basic factors considered necessary in the surveying of sites for aqua fish culture for both visual and topographic surveys

SECTION B

3a. What are the principal points to be considered in pond construction?

b. Write short note on the classification of ponds according to their water supply

4a. With the aid of diagrams describe Sluice and Monk as important pond structure in fish pond management

SECTION C

5. Assuming you are the manager of FUTO fish farm and your farm has a newly constructed earthen pond of size 3500 cm x 1500 cm that requires liming,

i) What is the area of the pond in m^2 ?

ii) Which lime would you apply with reasons?

iii) Calculate the application rate suitable for this size of pond.

NB: one hectare = 10,000 m^2

6. If one of your ponds is having problem of foul smelling, rancidity and scumming of pond water,

a. Explain the possible causes of the problem

b. Suggest the solutions to the problem