

Reg. No

Name

17P150

MSc DEGREE END SEMESTER EXAMINATION- NOVEMBER 2017

SEMESTER 1 : AQUACULTURE AND FISH PROCESSING

COURSE : 16P1AQCT04 ; AQUACULTURE ENGINEERING

(Common for Regular - 2017 / Supplementary - 2016 Admissions)

Time : Three Hours

Max. Marks: 75

Section A

Describe any 8 of the following (2 marks each)

1. Define Fresh water.
2. Important points to be considered during detailed survey.
3. What is a Dyke?
4. What is Master Sluice Gate?
5. What are monk gates?
6. What is herrguth monk?
7. What is loam?
8. What is total alkalinity?
9. What are the different types of enclosures?
10. Raft Vs rack culture.
11. What is the significance of ozone in aquaculture?
12. Point out the equipments in hatchery.

(2 x 8 = 16)

Section B

Write short notes on any 7 (5 marks each)

13. Comment on Tide fed Farms.
14. Explain soil sampling techniques.
15. Factors affecting sedimentation in a pond.
16. Write an account on Acid Sulphate Soils.
17. Write an account on properties of soil.
18. What are the different types of cages?
19. Materials for enclosures in a pond.
20. Explain the layout and design of pen.
21. What are gravity aerators?
22. Give an account on mechanized feeders.

(5 x 7 = 35)

Section C

Write an essay on any 2 (12 marks each)

23. Write an essay on sealing of pond bottom and dike.
24. Explain soil separators, soil samples and quick field test to determine soil texture
25. Soil parameters to be borne in mind before constructing a shrimp farm.
26. What are aerators? Explain the different types of aerators.

(12 x 2 = 24)