

Reg. No

Name

18P150

M.Sc DEGREE END SEMESTER EXAMINATION - NOVEMBER 2018
SEMESTER 1 : AQUACULTURE AND FISH PROCESSING
COURSE : 16P1AQCT04 : AQUACULTURE ENGINEERING
(For Regular - 2018 Admission & Supplementary - 2016 / 2017 Admissions)

Time : Three Hours

Max. Marks: 75

Section A

Answer any 8 (2 marks each)

1. Describe field test for plasticity.
2. What is magnetic meridian?
3. What is levee?
4. What is a secchi disc?
5. What are flash boards?
6. What is herrguth monk?
7. Describe anger boring method.
8. Explain soil permeability.
9. What are the different types of enclosures?
10. What is raceway?
11. Define aeration.
12. Significance of UV radiation in hatcheries.

(2 x 8 = 16)

Section B

Answer any 7 (5 marks each)

13. Difference between cost of construction of a square and rectangular ponds.
14. Give the textural classification of soil.
15. Differentiate upper plastic limit and lower plastic limit.
16. Explain the advantages of liming a soil and the recommended dose of lime for different pH situations.
17. Write notes on the methods for mechanical analysis of soil.
18. Cage Culture of Cobia in India
19. Give a short note on raceways.
20. What is recirculatory system?
21. What are sand filters?
22. Write short notes on demand feeders.

(5 x 7 = 35)

Section C

Answer any 2 (12 marks each)

23. Describe the design and construction of different types of ponds in aquaculture.
24. Write an essay on classification of soils and their relative advantage in an aquaculture farm.
25. Soil parameters to be borne in mind before constructing a shrimp farm.
26. What are filters? Explain the different types of filters.

(12 x 2 = 24)