NEW

Part-III 3-Tier

2016

AQUACULTURE MANAGEMENT

(Honours)

PAPER—VIII

(PRACTICAL)

Full Marks : 100

Time : 6 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Answer *all* questions.

1. Estimate the strength of H_2SO_4 solution using 1(N) Na_2CO_3 solution. Write down the principle and protocol. Comment on primary & secondary solution. $8+2\frac{1}{2}+2\frac{1}{2}+2$

Or

Estimate the organic Carbon/pH/texture from supplied soil sample. Write down the principles and protocol. Comment on your result. $8+2\frac{1}{2}+2\frac{1}{2}+2$

2. Estimate Dissolved oxygen/Hardness/Salinity from supplied sample water. Write down principle and protocol. Comment on your result. $8+2\frac{1}{2}+2\frac{1}{2}+2$

3. Identify the specimen with reasons mentioning systematic position, specimen characters and ecological comments : 24

   (a) Two phytoplankton ; 3×2

   (b) Two zooplankton ; 3×2

   (c) Two aquatic weeds ; 3×2

   (d) Sinker and Float. 3×2

4. Make a stained preparation from fish body scrap /gill scrap and stained with gram stain. Comment on your result. 6+2

   Or

   Discuss about plate Count method in microbiological technique.

5. Write down the steps involved during the preparation of Fish pickles / Chitosan / fish finger. 8

6. Submission of power point presentation/Chart/Model relevant to Aquaculture topics. 10

   Or

   Submit a Field Report.

7. Submission of Practical Note Book. 10

8. Viva-voce. 10
