

NEW
Part-III 3-Tier
2015
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 soil texture / pH / Organic carbon from the supplied sample. Write down the principles protocol and comment on your result.

$8+2\frac{1}{2}+2\frac{1}{2}+2$

Or

Find out the strength of HCl using Na_2CO_3 solution. Write down the principle and protocol. Add a note on primary & secondary solution.

$8+2\frac{1}{2}+2\frac{1}{2}+2$

2. Estimate the Ammonia/Hardness/Salinity/Dissolved oxygen from the supplied sample. Write down the principle, procedure and comment on your result.

$8+2\frac{1}{2}+2\frac{1}{2}+2$

(Turn Over)

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 floating macrophytes ; 3×2
- (d) Hook and Float. 3×2
4. Make a stained preparation from fish body scrap and stained with gram stain. Comment on your findings. 6+2

Or

Discuss about plate Count method in microbiological technique.

5. Write down the steps involved during the preparation of Fish finger/Chitosan/Fish pickles. 8
6. Submission of power point presentation/Chart/Model relevant to Aquaculture topics. 10

Or

Submission of Field Report.

7. Submission of Practical Note Book. 10
8. Viva-voce. 10