

POST-GRADUATE COURSE (PRACTICAL)
Term End Examination — December, 2024
ENVIRONMENTAL SCIENCE (PGES)
Paper – ENVS P105 : LABORATORY COURSE (PRACTICAL)
(From January 2024 Enrolment Session)

Time : 4 hours

Full Marks : 50

Weightage of Marks : 100%

Special credit will be given for accuracy and relevance in the answer. Marks will be deducted for incorrect spelling, untidy work and illegible handwriting. The weightage for each question has been indicated in the margin.

1. Perform parameter marked with (✓) for estimation from the following :

[Both (a) and (b) are compulsory]

- a) Estimate Dissolved Oxygen/Phosphate/Free and Combined CO₂/Nitrate-nitrogen/Organic matter from the supplied water or soil samples.
- b) Write down the underlying principle and procedure followed for the experiment performed, calculate and comment on your result.

10 + 5 + 3 + 2 = 20

2. Perform parameter marked with tick (✓) for estimation from the following :

[Both (a) and (b) are compulsory]

- a) Estimate pH/Salinity/Conductivity/Sodium from the supplied water/soil samples.
- b) Write down the underlying principle of the experiment performed, calculate and comment on your result.

5 + 3 + 2 = 10

3. Identify with reasons the following *two* supplied plankton specimens/slides. Mention the habitat of the supplied species. 2.5 × 2 = 5

QP Code: 24/PT/16/ENVS P105 2

4. Identify with reasons the following *two* supplied macrophyte specimens.
Mention the habitat of the supplied species. 2.5 × 2 = 5

5. Practical Notebook 5

6. Viva – Voce 5

