

POST-GRADUATE COURSE (PRACTICAL)
Term End Examination — December, 2024
ENVIRONMENTAL SCIENCE (PGES)
Paper – ENVS P205 : 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 or measure
 - i) The noise level in surrounding environment.
 - ii) Effect of pesticides on the opening and closing of stomata.
 - iii) Counting of planktons and species richness from the supplied sample.
 - iv) Humidity and temperature of the surrounding atmosphere.
 - b) Write down the underlying principle and procedure followed for the experiment, calculate and comment on your result. 10 + 5 + 3 + 2 = 20
2. Perform parameter marked with tick (✓) for estimation from the following :
 - a) Demonstrate the operating principle of the High-volume sampler.
 - b) Demonstrate the principle and estimation procedure of dust particles (PM₁₀) in ambient air. 5 + 5
 - c) Demonstrate the principle and estimation procedure for Nitrogen dioxide in ambient air quality. 5 + 5

3. Identify with reasons the following *four* supplied rocks and/on common mineral samples. 2.5 × 4 = 10
4. Practical Notebook 5
5. Viva – Voce 5
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