

M.Sc. (Part-I) (Environmental Science) (CBCS Pattern) Semester - II  
**PSENV T05 / PSCENV T05 - V : Environmental Sampling and Analysis**

P. Pages : 1

Time : Three Hours



**GUG/S/23/11203**

Max. Marks : 80

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- Notes : 1. All questions are compulsory and carry equal marks.  
2. Illustrate your answers with suitable diagrams and examples.

1. Discuss components and working of high volume sampler. **16**
- OR**
- a) Explain working of dust fall jar. **8**
- b) Describe site selection criteria for ambient air sampling. **8**
2. Discuss physical parameters for the analysis of water. **16**
- OR**
- a) Briefly explain water sampling equipments. **8**
- b) Discuss types of water sample. **8**
3. Discuss procedure for soil sampling. Add a note on preservation of soil sample. **16**
- OR**
- a) Explain soil survey methods. **8**
- b) Describe types of soil survey. **8**
4. Discuss site identification and methodology for noise level measurement. **16**
- OR**
- a) Briefly explain effects of meteorological parameters on noise propagation. **8**
- b) Write a note on occupational health and noise. **8**
5. a) Explain method of stack sampling. **4**
- b) Write about preservation of water sample. **4**
- c) Explain a method of the analysis of soil pH. **4**
- d) Write a note firecrackers and noise. **4**

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