

B.Sc. (Part-I) (NEP) Semester-I
SEC03 / STUG01ENVS008 - Environmental Science - Environmental Studies

P. Pages : 1

Time : Two Hours



GUG/S/25/15909

Max. Marks : 40

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

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| 1. | Describe the laboratory safety rules and regulations. | 8 |
| | OR | |
| | a) Write procedure for calibration of measuring cylinder. | 4 |
| | b) Explain the step wise method for calibration of analytical balance. | 4 |
| 2. | Explain methods of preparation of standard solutions. | 8 |
| | OR | |
| | a) Briefly explain sample preservation techniques. | 4 |
| | b) Write operation procedure of water sampling devices. | 4 |
| 3. | Write detailed method of sampling of plankton. | 8 |
| | OR | |
| | a) Write about sampling of marcophytes in water body. | 4 |
| | b) Explain ecology of plankton. | 4 |
| 4. | Explain in detail the working of pH meter. | 8 |
| | OR | |
| | a) Write operation of turbidimeter. | 4 |
| | b) Explain working components of conductivity meter. | 4 |
| 5. | Answer in brief any eight . | 8 |
| | a) What is lab attire? | |
| | b) Write any two good laboratory practices. | |
| | c) Mention any two types of microscope. | |
| | d) What is primary standard? | |
| | e) Define secondary standard. | |
| | f) Write any tools used to collect soil sample. | |
| | g) What is neuston? | |
| | h) What is benthos? | |
| | i) Define ecological indicator. | |
| | j) Write advantages of pH meter. | |
| | k) Write the uses of centrifuge machine. | |
| | l) Mention the types of centrifuge machine. | |
