

SARDAR PATEL UNIVERSITY
Programme: B.Sc
Semester: III
Syllabus with effect from: June-2012

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| Paper Code: US03CENV03 | Total Credit: 3 |
| Title of Paper: Practical | |

| Unit | Description in detail | Weightage (%) |
|------|--|---------------|
| | Determination of Primary productivity by light and dark bottles | |
| | Study of community by Quadrat method to determine <ul style="list-style-type: none"> • Frequency • Density and abundance | |
| | Plankton analysis: Qualitative and Quantitative Water Analysis: | |
| | Measurement of pH, Temperature, Conductivity, Turbidity from Water Samples. | |
| | Measurement of Dissolved oxygen from water samples | |
| | Measurement of Biological Oxygen Demand from water samples | |
| | Measurement of Chemical Oxygen Demand from water samples | |
| | Measurement of Total solids from water samples | |
| | Measurement of Chlorides from water samples | |
| | Measurement of Total Hardness from water samples | |
| | Measurement of Carbon dioxide from water samples | |
| | Measurement of Sulphates from water samples | |
| | Measurement of Alkalinity and Acidity from water samples | |
| | Measurement of Inorganic Phosphates from water samples | |
| | Measurement of Nitrates from water samples | |

Basic Text & Reference Books:

- Biology: A functional approach. T.J.King, M.B.V. Roberts.
- Standard methods for water and waste water treatment - A.P.H.A Publication
- Practical methods in Ecology and Environmental Sciences R.K.Trivedi, P.K Goel.

