

Ahmednagar Jilha Maratha Vidya Prasarak Samaj's
Shri Mulikadevi Mahavidyalaya, Nighoj
Tal- Parner Dist. Ahmednagar
Certificate Course On: "Water Analysis"
Academic Year: - 2020-21

-Theory Syllabus-

- ❖ **Introduction** (3L)
 - Uses of water
 - Adverse effect of water
- ❖ **Water Analysis** (6L)
 - Introduction
 - Sampling
 - Selection of parameter
 - Precision and accuracy of parameter
 - Preservation
- ❖ **Classification of Inland Surface water** (10L)
 - Dissolved oxygen (DO)
 - Biochemical oxygen Demand (BOD)
 - Total Dissolved Solid (TDS)
 - Chlorides, Sulphates, Nitrates, Fluorides, pH value
- ❖ **Instrumental And Non-instrumental Analysis** (6L)
 - pH of water
 - Conductance of water
 - Hardness of water
- ❖ **Practical** (15L)
 - 1) To determine total Hardness of Water
 - 2) To determine pH of Water
 - 3) To determine pollution load (BOD) of waste water
 - 4) To determine purity of water by TDS instrument
 - 5) To determine the salinity Acidity Alkalinity of water sample


PRINCIPAL
Shri. Mulikadevi Mahavidyalaya, Nighoj
Tal. Parner, Dist. Ahmednagar-414306