

Government Degree College, Koratla
Department of Chemistry

[2021-22]

Certificate Course – WATER QUALITY PARAMETERS

Resource Person: N.VASAVI, Assistant Professor of Chemistry

Course Overview: We know the importance of water particularly fresh uncontaminated water and its conservation for the survival of mankind. Water demand for fresh contaminated water is increasing to ensure good health and well being of ever growing population. Therefore, it is essential to take effective measures to augment the availability of uncontaminated water. Rainfall is one of the purest forms of water. Therefore, rainwater harvesting by capturing runoff water from agriculture catchments as well as roofs and its storage for multiple usage can help in achieving this objective. However, the quality of all types of water including rainwater is always in question for public health purposes. In order to ensure availability of good quality water, it is essential to analyze different physical, chemical and biological parameters of water quality. It will help in taking remedial measures for enhancing the availability of good quality water.

Course Learning Outcomes:

After attending this course, you should be able to:

- outline physical and chemical characteristics of water, Water Quality
- acquaint yourself with types of micro-organisms present in water and related diseases,
- describe the method of collection of water sample for testing purposes and
- specify drinking water standards prescribed by the Bureau of Indian Standards.

Percentage of Students attended for the Course:

SYLLABUS (Duration of Course 30 Hours)


Introduction, Physical Characteristics of Water - Colour, Taste and Odour, Turbidity, Temperature, Electrical Conductivity, Chemical Characteristics of Water, pH of Water, Acidity, Alkalinity, Hardness, Nitrogen Content, Dissolved Gases, Chloride Content, Fluoride Content, Microbiology of Water, Bacteria, Viruses, Plankton, Algae, Fungi, Protozoa, Water Borne Diseases, Water Quality Analysis, Determination of Total Solids, Determination of pH and Electrical Conductivity, Drinking Water Quality.



Department of Chemistry
GDC, Koratla.

List of Students Participated (BSc Life Sciences)

S.NO	H.NO	Student Name	Class	Group
1	19077046445001	Anjum Begum	III	BZC
2	19077046445002	A. Maheshwari	III	BZC
3	19077046445005	G.Sangeetha	III	BZC
4	19077046445006	G.Ruchitha	III	BZC
5	19077046445010	K.Sandhya	III	BZC
6	19077046445011	M.Bhavani	III	BZC
7	19077046445014	P.Ruchitha	III	BZC
8	19077046445015	S.Ramyasri	III	BZC
9	19077046445018	Shazianaaz	III	BZC


Course Coordinator

Department of Chemistry
GDC, Koratla.


Principal

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GOVT. DEGREE COLLEGE
KORATLA, DIST: JAGTIAL

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Certificate Course – WATER QUALITY

PARAMETERS

Certificate of Appreciation

*This is to certify that _____ has successfully
completed the certificate course “Water Quality Parameters”*

Course Coordinator

Principal

