

SEMESTER-III (Pool-B)

COURSE NAME : Water Analysis

(CHOI-B16)

Number of Credit: - 02

Maximum marks: 50

Paper... : CHOI-B... : Water Analysis

Contact Hours/Week	: 04 Hours/Week	Maximum Marks	: 50 Marks
Total Hours/Semester	: 60 Hours/Semester	Minimum Pass Marks	: 20 Marks
Duration of Examination	: 04 Hours/Paper	Nature of Examination	: Practical

Conduction of Examination: End semester examination will not be conducted at university level. It will be conducted internally at the department/college level after completion of the semester. Marks/grades will be filled by the concern department/college and hard copy of the same will be sent to the University for declaration of result.

Distribution of Marks:

S. No.	Name of Exercise	Marks
1.	Exercise No. 1	15
2.	Exercise No. 2	15
3.	Practical Record	05
4.	Good Laboratory Skills and Regularity in Practicals	05
5.	Comprehensive Viva-voce	10
Total Marks		50

Practical:

1. To determine the temporary and permanent hardness of a given water sample by EDTA method.
2. To determine dissolved carbon dioxide (CO₂) of a given sample of water.
3. To determine the amount of free chlorine in a given sample of water.
4. To determine the residual chlorine in a given sample of water.
5. To determine the Dissolved Oxygen (DO) in a given sample of water.
6. To determine the Chemical Oxygen Demand (COD) in a given sample of water.
7. To determine the fluoride concentration in a given sample of water.
8. To determine the alkalinity in a given sample of water.
9. To determine the Biological Oxygen Demand (BOD) in a given sample of water.
10. To determine the nitrate concentration in a given sample of water.
11. To determine the sulphate concentration in a given sample of water.
12. To determine the phosphate concentration in a given sample of water.
13. To determine the chloride concentration in a given sample of water.
14. To determine the iodide concentration in a given sample of water.

15. To determine the cyanides concentration in a given sample of water.
16. To determine the arsenic concentration in a given sample of water.
17. To determine the bromide concentration in a given sample of water.
18. To determine the sulphites concentration in a given sample of water.
19. To determine the sulphides concentration in a given sample of water.
20. To determine the acidity in a given sample of water.