

LESSON PLAN

DEPARTMENT OF MATH AND SCIENCE , ITT, CHOUDWAR

SUBJECT: ENGG. Engineering Chemistry Lab Periods: 4 per week SEMESTER: 1st & 2nd

NAME OF FACULTY: U.K ROUT

ACADEMIC YEAR.2022 -23

Semester From date:25/10/22 To Date: 31/01/23

No. of weeks: 15

Week	Class Day	Theory / Practical Topics
1 st	1 st	1. Preparation and study of physical and chemical properties CO ₂ gas.
	2 nd	2. Preparation and study of physical and chemical properties CO ₂ gas.
2 nd	1 st	3. Preparation and study of physical and chemical properties CO ₂ gas.
	2 nd	4. Preparation and study of physical and chemical properties NH ₃ gas.
3 rd	1 st	5. Preparation and study of physical and chemical properties NH ₃ gas.
	2 nd	6. Preparation and study of physical and chemical properties NH ₃ gas.
4 th	1 st	7. Crystallization of Copper sulphate from copper carbonate
	2 nd	8. Crystallization of Copper sulphate from copper carbonate
5 th	1 st	9. Crystallization of Copper sulphate from copper carbonate
	2 nd	10. Simple acid-base titrations (i) Acidimetry (ii) Alkalimetry
6 th	1 st	11. Simple acid-base titrations (i) Acidimetry (ii) Alkalimetry
	2 nd	12. Simple acid-base titrations (i) Acidimetry (ii) Alkalimetry
7 th	1 st	13. Tests for acid radicals (Known): (i) Carbonate,
	2 nd	14. Tests for acid radicals (Known): (ii) Sulphide,

8 th	1 st	15. Tests for acid radicals (Known): (iii) Chloride,
	2 nd	16. Tests for acid radicals (Known): (iv) Nitrate
9 th	1 st	17. Tests for acid radicals (Known): (v) Sulphate.
	2 nd	18. Tests for acid radicals (Known): (i) Carbonate,
10 th	1 st	19. Tests for acid radicals (Known): (ii) Sulphide,
	2 nd	20. Tests for acid radicals (Known): (iii) Chloride,
11 th	1 st	21. Tests for acid radicals (Known): (iv) Nitrate
	2 nd	22. Tests for acid radicals (Known): (v) Sulphate.
12 th	1 st	23. Test for unknown Acid radicals
	2 nd	24. Test for unknown Acid radicals
13 th	1 st	25. Test for unknown Acid radicals
	2 nd	26. Test for unknown basic radicals
14 th	1 st	27. Test for unknown basic radicals
	2 nd	28. Test for unknown basic radicals
15 th	1 st	29. Test for unknown salt (composed of one basic radical and one acid radical)
	2 nd	30. Test for unknown salt (composed of one basic radical and one acid radical)