

MAHARANA PRATAP MAHAVIDYALAYA, JUNGLE DHUSAN, GORAKHPUR
Chemistry Department

Class: B. Sc.VI Semester		LESSON PLAN (Practical): 2024-25			Subject : Chemistry
Course (CHE-306) : Analytical Methods					
DATE	LECTURE	TEACHER'S NAME	CHAPTER		TOPIC
20/01/2025	1	Dr. Ram Sahay	Unit-I, Analysis	Gravimetric	Seat Allotment
20/01/2025	2	Dr. S. K. Vernwal	Unit-I, Analysis	Gravimetric	Seat Allotment
21/01/2025	3	Mrs. Namrata Mishra	Unit-I, Analysis	Gravimetric	Analysis of Ba as BaSO ₄
21/01/2025	4	Mrs. Namrata Mishra	Unit-I, Analysis	Gravimetric	Analysis of Ba as BaSO ₄
27/01/2025	5	Dr. Ram Sahay	Unit-I, Analysis	Gravimetric	Analysis of Ba as BaSO ₄
27/01/2025	6	Dr. S. K. Vernwal	Unit-I, Analysis	Gravimetric	Analysis of Ba as BaSO ₄
28/01/2025	7	Dr. S. K. Vernwal	Unit-I, Analysis	Gravimetric	Analysis of Ni as Ni (dimethylglyoxime)
28/01/2025	8	Mrs. Namrata Mishra	Unit-I, Analysis	Gravimetric	Analysis of Ni as Ni (dimethylglyoxime)
10/01/2025	9	Dr. Ram Sahay	Unit-I, Analysis	Gravimetric	Analysis of Ni as Ni (dimethylglyoxime)
10/02/2025	10	Dr. S. K. Vernwal	Unit-I, Analysis	Gravimetric	Analysis of Ni as Ni (dimethylglyoxime)
11/02/2025	11	Dr. S. K. Vernwal	Unit-I, Analysis	Gravimetric	Analysis of Cu as CuSCN
11/02/2025	12	Mrs. Namrata Mishra	Unit-I, Analysis	Gravimetric	Analysis of Cu as CuSCN
17/02/2025	13	Dr. Ram Sahay	Unit-I, Analysis	Gravimetric	Analysis of Cu as CuSCN
17/02/2025	14	Dr. S. K. Vernwal	Unit-I, Analysis	Gravimetric	Analysis of Cu as CuSCN
18/02/2025	15	Dr. S. K. Vernwal	Unit-II, Chromatography	Paper	Separation of a mixture of phenylalanine and glycine.
18/02/2025	16	Mrs. Namrata Mishra	Unit-II, Chromatography	Paper	Separation of a mixture of phenylalanine and glycine.
24/02/2025	17	Dr. Ram Sahay	Unit-II, Chromatography	Paper	Separation of a mixture of phenylalanine and glycine.
24/02/2025	18	Dr. S. K. Vernwal	Unit-II, Chromatography	Paper	Separation of a mixture of phenylalanine and glycine.
25/02/2025	19	Dr. S. K. Vernwal	Unit-II, Chromatography	Paper	Separation of a mixture of Alanine and aspartic acid.

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25/02/2025	20	Mrs. Namrata Mishra	Unit-II, Chromatography	Paper	Separation of a mixture of Alanine and aspartic acid.
03/02/2025	21	Dr. Ram Sahay	Unit-II, Chromatography	Paper	Separation of a mixture of aspartic acid Leucine and glutamic acid.
03/03/2025	22	Dr. S. K. Vernwal	Unit-II, Chromatography	Paper	Separation of a mixture of aspartic acid Leucine and glutamic acid.
04/03/2025	23	Dr. S. K. Vernwal	Unit-II, Chromatography	Paper	Separation of a mixture of aspartic acid Leucine and glutamic acid.
04/03/2025	24	Mrs. Namrata Mishra	Unit-II, Chromatography	Paper	Separation of a mixture of aspartic acid Leucine and glutamic acid.
10/03/2025	25	Dr. Ram Sahay	Unit-II, Chromatography	Paper	Separation of a mixture of D, L alanine, glycine, and L-leucine using n-butanol: acetic acid: water (4:1:5). Spray reagent ninhydrin.
10/03/2025	26	Dr. S. K. Vernwal	Unit-II, Chromatography	Paper	Separation of a mixture of D, L alanine, glycine, and L-leucine using n-butanol: acetic acid: water (4:1:5). Spray reagent ninhydrin.
11/03/2025	27	Dr. S. K. Vernwal	Unit-II Chromatography	Paper	Separation of a mixture of D, L alanine, glycine, and L-leucine using n-butanol: acetic acid: water (4:1:5). Spray reagent ninhydrin.
11/03/2025	28	Mrs. Namrata Mishra	Unit-II Chromatography	Paper	Separation of a mixture of D, L alanine, glycine, and L-leucine using n-butanol: acetic acid: water (4:1:5). Spray reagent ninhydrin.
17/03/2025	29	Dr. Ram Sahay	Unit-II Chromatography	Paper	Separation of monosaccharaides a mixture of D-galactose and D-fructose using n- butanol: acetone: water (4:5:1). Spray reagent aniline hydrogen phthalate
17/03/2025	30	Dr. S. K. Vernwal	Unit-II Chromatography	Paper	Separation of monosaccharaides a mixture of D-galactose and D-fructose using n- butanol: acetone: water (4:5:1). Spray reagent aniline hydrogen phthalate
18/03/2025	31	Dr. S. K. Vernwal	Unit-III Thin Chromatography	Layer	Determination of R _f values and identification of organic compounds: Separation of green leaf pigments (spinach leaves may be used)
18/03/2025	32	Mrs. Namrata Mishra	Unit-III Thin Chromatography	Layer	Determination of R _f values and identification of organic compounds: Separation of green leaf pigments (spinach leaves may be used)
01/04/2025	33	Dr. S. K. Vernwal	Unit-III Thin Chromatography	Layer	Determination of R _f values and identification of organic compounds: Separation of green leaf pigments (spinach leaves may be used)
01/04/2025	34	Mrs. Namrata Mishra	Unit-III Thin Chromatography	Layer	Determination of R _f values and identification of organic compounds: Separation of green leaf pigments (spinach leaves may be used)
07/04/2025	35	Dr. Ram Sahay	Unit-III Thin Chromatography	Layer	Preparation of separation of 2,4-dinitrophenylhydrazones of acetone, 2-butanone, hexan-2, and 3-one using toluene and light petroleum (40:60),
07/04/2025	36	Dr. S. K. Vernwal	Unit-III Thin Chromatography	Layer	Preparation of separation of 2,4-dinitrophenylhydrazones of acetone, 2-butanone, hexan-2, and 3-one using toluene and light petroleum (40:60),
08/04/2025	37	Dr. S. K. Vernwal	Unit-III Thin Chromatography	Layer	Preparation of separation of 2,4-dinitrophenylhydrazones of acetone, 2-butanone, hexan-2, and 3-one using toluene and light petroleum (40:60),
08/04/2025	38	Mrs. Namrata Mishra	Unit-III Thin Chromatography	Layer	Preparation of separation of 2,4-dinitrophenylhydrazones of acetone, 2-butanone, hexan-2, and 3-one using toluene and light

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				petroleum (40:60),
15/04/2025	39	Dr. S. K. Vernwal	Unit-III Thin Layer Chromatography	Separation of a mixture of dyes using cyclohexane and ethyl acetate (8.5:1.5)
15/04/2025	40	Mrs. Namrata Mishra	Unit-III Thin Layer Chromatography	Separation of a mixture of dyes using cyclohexane and ethyl acetate (8.5:1.5)
21/04/2025	41	Dr. Ram Sahay	Unit-III Thin Layer Chromatography	Separation of a mixture of dyes using cyclohexane and ethyl acetate (8.5:1.5)
21/04/2025	42	Dr. S. K. Vernwal	Unit-III Thin Layer Chromatography	Separation of a mixture of dyes using cyclohexane and ethyl acetate (8.5:1.5)
22/04/2025	43	Dr. S. K. Vernwal	Unit-IV Thermochemistry	To determine the solubility of benzoic acid at different temperatures and to determine Heat of the dissolution process.
22/04/2025	44	Mrs. Namrata Mishra	Unit-IV Thermochemistry	To determine the solubility of benzoic acid at different temperatures and to determine Heat of the dissolution process
28/04/2025	45	Dr. Ram Sahay	Unit-IV Thermochemistry	To determine the solubility of benzoic acid at different temperatures and to determine Heat of the dissolution process
28/04/2025	46	Dr. S. K. Vernwal	Unit-IV Thermochemistry	To determine the solubility of benzoic acid at different temperatures and to determine Heat of the dissolution process
	47	Dr. Ram Sahay	Unit-IV Thermochemistry	To determine the enthalpy of neutralization of a strong acid/strong base.
	48	Dr. S. K. Vernwal	Unit-IV Thermochemistry	To determine the enthalpy of neutralization of a strong acid/strong base.
	49	Dr. S. K. Vernwal	Unit-IV Thermochemistry	To determine the enthalpy of neutralization of a strong acid/strong base.
	50	Mrs. Namrata Mishra	Unit-IV Thermochemistry	To determine the enthalpy of neutralization of a strong acid/strong base.
	51	Dr. Ram Sahay	Unit-IV Thermochemistry	To determine the enthalpy of neutralization of a weak acid/strong base.
	52	Dr. S. K. Vernwal	Unit-IV Thermochemistry	To determine the enthalpy of neutralization of a weak acid/strong base.
	53	Dr. S. K. Vernwal	Unit-IV Thermochemistry	To determine the enthalpy of neutralization of a strong acid/weak base.
	54	Mrs. Namrata Mishra	Unit-IV Thermochemistry	To determine the enthalpy of neutralization of a strong acid/weak base.
	55	Dr. Ram Sahay	Unit-IV Thermochemistry	To determine the enthalpy of neutralization of a strong acid/weak base.
	56	Dr. S. K. Vernwal	Unit-IV Thermochemistry	To determine the enthalpy of neutralization of a strong acid/weak base.
