

MAHARANA PRATAP MAHAVIDYALAYA, JUNGLE DHUSAN, GORAKHPUR
Chemistry Department

Class : B. Sc. IV Semester LESSON PLAN (Practical): 2024-25 Subject : Chemistry
Course (CHE 204) : Instrumental Analysis

DATE	LECTURE	TEACHER'S NAME	CHAPTER	TOPIC
17/01/2024	1	Mrs. Divya Dubey	General Introduction	Seat allotment
17/01/2024	2	Dr. Ram Sahay	General Introduction	Seat allotment
18/01/2024	3	Mrs. Namrata Mishra	Unit-IV, Chromatographic Separations	To separate and identify the amino acids present in the given mixture by paper chromatography and to report their R_f value
18/01/2024	4	Dr. Ram Sahay	Unit-IV, Chromatographic Separations	To separate and identify the amino acids present in the given mixture by paper chromatography and to report their R_f value
24/01/2024	5	Mrs. Divya Dubey	Unit-IV, Chromatographic Separations	To separate and identify the amino acids present in the given mixture by paper chromatography and to report their R_f value
24/01/2024	6	Dr. Ram Sahay	Unit-IV, Chromatographic Separations	To separate and identify the amino acids present in the given mixture by paper chromatography and to report their R_f value
25/01/2024	7	Mrs. Namrata Mishra	Unit-IV, Chromatographic Separations	To separate and identify the amino acids present in the given mixture by paper chromatography and to report their R_f value
25/01/2024	8	Dr. Ram Sahay	Unit-IV, Chromatographic Separations	To separate and identify the amino acids present in the given mixture by paper chromatography and to report their R_f value
31/01/2024	9	Mrs. Divya Dubey	Unit-IV, Chromatographic Separations	Separation of a mixture of o-and p-nitrophenol or o-and p-aminophenol by thin layer Chromatography(TLC)
31/01/2024	10	Dr. Ram Sahay	Unit-IV, Chromatographic Separations	Separation of a mixture of o-and p-nitrophenol or o-and p-aminophenol by thin layer Chromatography(TLC)
01/02/2024	11	Mrs. Namrata Mishra	Unit-IV, Chromatographic Separations	Separation of a mixture of o-and p-nitrophenol or o-and p-aminophenol by thin layer Chromatography(TLC)
01/02/2024	12	Dr. Ram Sahay	Unit-IV, Chromatographic Separations	Separation of a mixture of o-and p-nitrophenol or o-and p-aminophenol by thin layer Chromatography(TLC)
07/02/2024	13	Mrs. Divya Dubey	Unit-IV, Chromatographic Separations	Separation of a mixture of o-and p-nitrophenol or o-and p-aminophenol by thin layer Chromatography(TLC)
07/02/2024	14	Dr. Ram Sahay	Unit-I, Molecular Weight Determination	Determination of molecular weight of a non-volatile solute by Rast Method/ Beckmann freezing point method
08/02/2024	15	Mrs. Namrata Mishra	Unit-I, Molecular Weight Determination	Determination of molecular weight of a non-volatile solute by Rast Method/ Beckmann freezing point method
08/02/2024	16	Dr. Ram Sahay	Unit-I, Molecular Weight Determination	Determination of molecular weight of a non-volatile solute by Rast Method/ Beckmann freezing point method
14/02/2024	17	Mrs. Divya Dubey	Unit-I, Molecular Weight Determination	Determination of molecular weight of a non-volatile solute by Rast Method/ Beckmann freezing point method
14/02/2024	18	Dr. Ram Sahay	Unit-I, Molecular Weight Determination	Determination of molecular weight of a non-volatile solute by Rast Method/ Beckmann freezing point method
15/02/2024	19	Mrs. Namrata Mishra	Unit-I, Molecular Weight Determination	Determination of molecular weight of a non-volatile solute by Rast Method/ Beckmann freezing point method
15/02/2024	20	Dr. Ram Sahay	Unit-I, Molecular Weight Determination	Determination of the apparent degree of dissociation of an electrolyte (e.g., NaCl) in aqueous solution at different concentrations by ebullioscopy
21/02/2024	21	Mrs. Divya Dubey	Unit-I, Molecular Weight Determination	Determination of the apparent degree of dissociation of an electrolyte (e.g., NaCl) in aqueous solution at different concentrations by ebullioscopy

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21/02/2024	22	Dr. Ram Sahay	Unit-I, Molecular Weight Determination	Determination of the apparent degree of dissociation of an electrolyte (e.g., NaCl) in aqueous solution at different concentrations by ebullioscopy
22/02/2024	23	Mrs. Namrata Mishra	Unit-I, Molecular Weight Determination	Determination of the apparent degree of dissociation of an electrolyte (e.g., NaCl) in aqueous solution at different concentrations by ebullioscopy
22/02/2024	24	Dr. Ram Sahay	Unit-I, Molecular Weight Determination	Determination of the apparent degree of dissociation of an electrolyte (e.g., NaCl) in aqueous solution at different concentrations by ebullioscopy
28/02/2024	25	Mrs. Divya Dubey	Unit II, Spectrophotometry	Determination of pKa values of indicator using spectrophotometry
28/02/2024	26	Dr. Ram Sahay	Unit II, Spectrophotometry	Determination of pKa values of indicator using spectrophotometry
01/03/2024	27	Mrs. Namrata Mishra	Unit II, Spectrophotometry	Determination of pKa values of indicator using spectrophotometry
01/03/2024	28	Dr. Ram Sahay	Unit II, Spectrophotometry	Determination of pKa values of indicator using spectrophotometry
07/03/2024	29	Mrs. Divya Dubey	Unit II, Spectrophotometry	Determination of pKa values of indicator using spectrophotometry
07/03/2024	30	Dr. Ram Sahay	Unit II, Spectrophotometry	Determination of pKa values of indicator using spectrophotometry
08/03/2024	31	Mrs. Namrata Mishra	Unit II, Spectrophotometry	Determination of chemical oxygen demand (COD).
08/03/2024	32	Dr. Ram Sahay	Unit II, Spectrophotometry	Determination of chemical oxygen demand (COD).
21/03/2024	33	Mrs. Divya Dubey	Unit II, Spectrophotometry	Determination of chemical oxygen demand (COD).
21/03/2024	34	Dr. Ram Sahay	Unit II, Spectrophotometry	Determination of chemical oxygen demand (COD).
22/03/2024	35	Mrs. Namrata Mishra	Unit II, Spectrophotometry	Determination of chemical oxygen demand (COD).
22/03/2024	36	Dr. Ram Sahay	Unit II, Spectrophotometry	Determination of chemical oxygen demand (COD).
04/04/2024	37	Mrs. Divya Dubey	Unit II, Spectrophotometry	Determination of Biological oxygen demand (BOD).
04/04/2024	38	Dr. Ram Sahay	Unit II, Spectrophotometry	Determination of Biological oxygen demand (BOD).
05/04/2024	39	Mrs. Namrata Mishra	Unit II, Spectrophotometry	Determination of Biological oxygen demand (BOD).
05/04/2024	40	Dr. Ram Sahay	Unit II, Spectrophotometry	Determination of Biological oxygen demand (BOD).
11/04/2024	41	Mrs. Divya Dubey	Unit II, Spectrophotometry	Determination of Biological oxygen demand (BOD).
11/04/2024	42	Dr. Ram Sahay	Unit II, Spectrophotometry	Determination of Biological oxygen demand (BOD).
12/04/2024	43	Mrs. Namrata Mishra	Unit II, Spectrophotometry	Determination of Biological oxygen demand (BOD).
12/04/2024	44	Dr. Ram Sahay	Unit III, Spectroscopy	Assignment of labelled peaks in the IR spectrum of the same compound explaining the relative frequencies of the absorptions (C-H, O-H, N-H, C-O, C-N, C-X, C=C, C=O, N=O, C---C, stretching frequencies, characteristic bending vibrations are included
19/04/2024	45	Mrs. Namrata Mishra	Unit III, Spectroscopy	Assignment of labelled peaks in the IR spectrum of the same compound explaining the relative frequencies of the absorptions (C-H, O-H, N-H, C-O, C-N, C-X, C=C, C=O, N=O, C---C, stretching frequencies, characteristic bending vibrations are included

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19/04/2024	46	Dr. Ram Sahay	Unit III, Spectroscopy	Assignment of labelled peaks in the IR spectrum of the same compound explaining the relative frequencies of the absorptions (C-H, O-H, N-H, C-O, C-N, C-X, C=C, C=O, N=O, C---C, stretching frequencies, characteristic bending vibrations are included
25/04/2024	47	Mrs. Divya Dubey	Unit III, Spectroscopy	Assignment of labelled peaks in the IR spectrum of the same compound explaining the relative frequencies of the absorptions (C-H, O-H, N-H, C-O, C-N, C-X, C=C, C=O, N=O, C---C, stretching frequencies, characteristic bending vibrations are included
25/04/2024	48	Dr. Ram Sahay	Unit III, Spectroscopy	Assignment of labelled peaks in the IR spectrum of the same compound explaining the relative frequencies of the absorptions (C-H, O-H, N-H, C-O, C-N, C-X, C=C, C=O, N=O, C---C, stretching frequencies, characteristic bending vibrations are included
26/04/2024	49	Mrs. Namrata Mishra	Unit III, Spectroscopy	Assignment of labelled peaks in the IR spectrum of the same compound explaining the relative frequencies of the absorptions (C-H, O-H, N-H, C-O, C-N, C-X, C=C, C=O, N=O, C---C, stretching frequencies, characteristic bending vibrations are included
26/04/2024	50	Dr. Ram Sahay	Unit III, Spectroscopy	Assignment of labelled peaks in the IR spectrum of the same compound explaining the relative frequencies of the absorptions (C-H, O-H, N-H, C-O, C-N, C-X, C=C, C=O, N=O, C---C, stretching frequencies, characteristic bending vibrations are included
