



RAGHU COLLEGE OF PHARMACY

Dakamarri, Bheemunipatnam Mandal, Visakhapatnam – 521162.

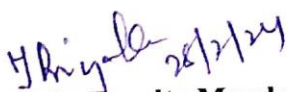
(Affiliated to ANDHRA UNIVERSITY, VISAKHAPATNAM)

COURSE PLAN- One copy to be submitted to the HOD one week before commencement of the Semester

Subject Code	Name of the Subject	Class/ Semester	Name of the Faculty/ Designation	No. of Students	Total periods per Semester / Year
					Lectures
BP 102T	PHARMACEUTICAL ANALYSIS-I	I/I Section-B	T.PRIYANKA Assistant Professor	55	29

Lecture No.	Topic	E.T. Gadgets used, if any (LCD/OHP/ Charts/Models)	Date on which completed*
L1	Acid base titrations : Introduction, Theory, Classification	CHALK & TALK	08-12-2023
L2	Theory of Acid base indicators	CHALK & TALK	09-12-2023
L3	Neutralization curves of Strong acid & Strong Base	CHALK & TALK	15-12-2023
L4	Neutralization curves of Weak acid & Strong Base	CHALK & TALK	16-12-2023
T1	Tutorial	Handouts	22-12-2023
L5	Neutralization curves of Weak acid & Weak Base	CHALK & TALK	23-12-2023
L6	Neutralization curves of Weak Base & Strong acid	CHALK & TALK	29-12-2023
L7	Non-Aqueous titrations : Introduction, Theory, Classification	CHALK & TALK	30-12-2023
T2	Tutorial	Handouts	05-01-2024
L8	Estimation of Sodium benzoate	CHALK & TALK	06-01-2024
L9	Estimation of Ephedrine HCL	CHALK & TALK	12-01-2024
L10	Precipitation titrations : Introduction, Mohrs method	CHALK & TALK	19-01-2024
L11	Volhards methods	CHALK & TALK	20-01-2024
T3	Tutorial	Handouts	27-01-2024
L12	Fajans methods	CHALK & TALK	02-02-2024
L13	Estimation of Sodium chloride	CHALK & TALK	03-02-2024
L14	Assay of Ammonium Chloride	CHALK & TALK	09-02-2024
T4	Tutorial	Handouts	16-02-2024
L15	Henderson Hasselbach Equation	CHALK & TALK	17-02-2024
L16	Complexometric titration: Introduction, Classification	CHALK & TALK	23-02-2024
L17	Metal ion indicators	CHALK & TALK	24-02-2024

T5	Tutorial	Handouts	01-03-2024
L18	Masking & De-Masking reagents	CHALK & TALK	02-03-2024
L19	Estimation of Magnesium sulphate	CHALK & TALK	15-03-2024
	REVISION	Handouts	16-03-2024
	1st SESSIONAL EXAMINATIONS		
L20	Estimation of Calcium gluconate	CHALK & TALK	22-03-2024
L21	Gravimetric analysis :Principle & Steps involved	CHALK & TALK	23-03-2024
L22	Purity of precipitate: Co-Precipitation & Post-Precipitation	CHALK & TALK	05-04-2024
L23	post precipitation;Bariumsulphate estimation	CHALK & TALK	06-04-2024
L24	Diazotisation titration: Introduction & Principle	CHALK & TALK	12-04-2024
L25	Methods & Application of Diazotisation titration	CHALK & TALK	13-04-2024
L26	Potentiometry : Principle, Theory of Potentiometric Titrations, Electrochemical Cell,	CHALK & TALK	19-04-2024
L27	Electrodes (Reference Electrode or Standard Electrode) Standard Hydrogen Electrode or Normal hydrogen Electrode.	CHALK & TALK	20-04-2024
L28	Reference Electrode- Silver-Silver Chloride Electrode, Indicator Electrode- Metal Indicator Electrode	CHALK & TALK	26-04-2024
L29	Methods of Determining End Point,Advantages, Dis advantages, Applications	CHALK & TALK	27-04-2024
	REVISION		
	2nd SESSIONAL EXAMINATIONS		


 Signature of the Faculty Member
 Date:


 Signature of the Principal
 Date:



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					Lectures
BP 102T	PHARMACEUTICAL ANALYSIS-I	I/I Section-A	T.PRIYANKA Assistant Professor	55	33

Lecture No.	Topic	E.T. Gadgets used, if any (LCD/OHP/ Charts/Models)	Date on which completed*
L1	Acid base titrations : Introduction	CHALK & TALK	7-12-2023
L2	Theory, Classification.	CHALK & TALK	12-12-2023
L3	Theory of Acid base indicators	CHALK & TALK	14-12-2023
L4	Neutralization curves of Strong acid & Strong Base	CHALK & TALK	14-12-2023
T1	Tutorial	Handouts	19-12-2023
L5	Neutralization curves of Weak acid & Strong Base	CHALK & TALK	21-12-2023
L6	Neutralization curves of Weak acid & Weak Base	CHALK & TALK	26-12-2023
L7	Neutralization curves of Weak Base&Strong acid	CHALK & TALK	28-12-2023
T2	Tutorial	Handouts	28-12-2023
L8	Non-Aqueous titrations : Introduction, Theory, Classification	CHALK & TALK	02-01-2023
L9	Alkalimetry and Acidimetry	CHALK & TALK	04-01-2023
L10	Estimation of Sodium benzoate	CHALK & TALK	04-01-2024
L11	Estimation of Ephedrine HCL	CHALK & TALK	09-01-2024
T3	Tutorial	Handouts	11-01-2024
L12	Precipitation titrations : Introduction, Mohrs method	CHALK & TALK	11-01-2024
L13	Volhards methods	CHALK & TALK	18-01-2024
L14	Fajans methods	CHALK & TALK	18-01-2024
T4	Tutorial	Handouts	23-01-2024
L15	Estimation of Sodium chloride	CHALK & TALK	25-01-2024
L16	Assay of Ammonium Chloride	CHALK & TALK	25-01-2024
L17	Henderson Hasselbach Equation	CHALK & TALK	30-01-2024

T5	Tutorial	Handouts	01-02-2024
L18	Complexometric titration: Introduction, Classification	CHALK & TALK	06-02-2024
L19	Metal ion indicators	CHALK & TALK	08-02-2024
T6	Tutorial	Handouts	08-02-2024
	REVISION	Handouts	13-02-2024
	1st SESSIONAL EXAMINATIONS		15-02-2024
L20	Masking & De-Masking reagents	CHALK & TALK	15-02-2024
L21	Estimation of Magnesium sulphate	CHALK & TALK	20-02-2024
L22	Estimation of Calcium gluconate	CHALK & TALK	22-02-2024
T7	Tutorial	Handouts	22-02-2024
L23	Gravimetric analysis :Principle & Steps involved	CHALK & TALK	27-02-2024
L24	Purity of precipitate: Co-Precipitation & Post-Precipitation	CHALK & TALK	29-02-2024
L25	post precipitation;Bariumsulphate estimation	CHALK & TALK	05-03-2024
T8	Tutorial	Handouts	07-03-2024
L26	Diazotisation titration: Introduction & Principle	CHALK & TALK	07-03-2024
L27	Methods & Application of Diazotisation titration	CHALK & TALK	12-03-2024
L28	Potentiometry : Principle, Theory of Potentiometric Titrations, Electrochemical Cell,	CHALK & TALK	14-03-2024
T9	Tutorial	Handouts	14-03-2024
L29	Electrodes (Reference Electrode or Standard Electrode)	CHALK & TALK	19-03-2024
L30	Standard Hydrogen Electrode or Normal hydrogen Electrode.	CHALK & TALK	21-03-2024
L31	Reference Electrode- Silver-Silver Chloride Electrode	CHALK & TALK	26-03-2024
L32	Indicator Electrode- Metal Indicator Electrode	CHALK & TALK	28-03-2024
L33	Methods of Determining End Point,Advantages, Dis advantages, Applications	CHALK & TALK	02-04-2024
T10	Tutorial	Handouts	04-04-2024
	REVISION		09-04-2024
	2nd SESSIONAL EXAMINATIONS		

Handwritten signature and date

Signature of the Faculty Member
Date:

Handwritten signature of the Principal

Signature of the Principal
Date: