VIPW/7.5/1/RC04

TEACHING PLAN CUM REALIZATION

Department: B. Pharmacy **Name of the faculty:** A.V. S. Himabindu **Designation:** Asst.Prof
Semester/ year: II / III **Name of the subject:** Biopharmaceutics and Pharmacokinetics (SEC-A)

Sl.No	Unit / Topic	Teaching planned on (Date)	Taught on (Date)	No of periods (Planned)	No of periods (Actual taken)	Remark (If any deviation)
1	**UNIT-I: Biopharmaceutics:** introduction to biopharmaceutics and pharmacokinetics	20-11-19	20-11-19	1	1	
2	**Absorption:** mechanisms of drug absorption- passive diffusion	21-11-19	21-11-19	1	1	
3	ion pair and pore transport, Facilitated diffusion, carrier mediated	22-11-19	22-11-19	1	1	
4	Active transport, endocytosis	22-11-19	22-11-19	1	1	
5	Factors influencing absorption- physicochemical factors-solubility	27-11-19	27-11-19	1	1	
6	Theories of dissolution,particle size, polymorphism,salt form of drug	28-11-19	28-11-19	1	1	
7	pKa of the drug and lipophilicity of the drug, pH partition theory	29-11-19	29-11-19	1	1	
8	Pharmaceutical factors- Dosage form factors	29-11-19	29-11-19	1	1	
9	Physiological factors-gastric emptying, GI pH, transit time	4-12-19	4-12-19	1	1	
10	Disease state and others	5-12-19	5-12-19	1	1	
11	Absorption of drug from non per oral ev route	6-12-19	6-12-19	1	1	
12	**Distribution:** drug distribution in the body, Steps in drug distribution	6-12-19	6-12-19	1	1	
13	Factors influencing distribution of drugs- tissue permeability of drugs	11-12-19	11-12-19	1	1	
14	Physiological barriers affecting drug distribution	12-12-19	12-12-19	1	1	
15	Apparent Volume of drug distribution	13-12-19	13-12-19	1	1	
16	Plasma protein binding mechanisms	13-12-19	18-12-19	1	1	
17	Binding of drugs to blood components	18-12-19	19-12-19	1	1	
18	Tisssue binding of drugs	19-12-19	20-12-19	1	1	

A.V.S. Himabindu 18/11/19
Prepared: Faculty / Date

Vijaya Institute of Pharmaceutical Sciences for Women ENIKEPADU VIJAYAWADA

PRINCIPAL
Verified: HOD / Date
VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN
ENIKEPADU VIJAYAWADA 521 108

VIPW/7.5/1/RC04

TEACHING PLAN CUM REALIZATION

Department: B. Pharmacy **Name of the faculty:** A.V.S. Himabindu **Designation:** Asst.Prof
Semester/ year: II / III **Name of the subject:** Biopharmaceutics and Pharmacokinetics (SEC-A)

Sl.No	Unit / Topic	Teaching planned on (Date)	Taught on (Date)	No of periods (Planned)	No of periods (Actual taken)	Remark (If any deviation)
19	Factors affecting protein drug binding	20-12-19	23-12-19	1	1	
20	Clinical Significance & kinetics of protein binding	20-12-19	24-12-19	1	1	
21	**UNIT-II: Elimination:** Drug metabolism	26-12-19	26-12-19	1	1	
22	Metabolic pathways renal excretion of drugs	27-12-19	27-12-19	1	1	
23	Factors affecting renal excretion of drugs	27-12-19	27-12-19	1	1	
24	Renal clearance, Non renal routes of drug excretion of drugs	28-12-19	30-12-19	1	1	
25	**Bioavailability & bioequivalence:** objectives of bioavailability, absolute & relative bioavailability	2-01-20	2-1-20	1	1	
26	Measurement of bioavailability	3-01-20	3-1-20	1	1	
27	*In vitro* dissolution models	3-01-20	3-1-20	1	1	
28	Bioequivalence studies- objectives, types	8-01-20	6-1-20	1	1	
29	Bioequivalence study designs	9-01-20	8-1-20	1	2	
30	Methods to enhance the dissolution rate and bioavailability of poorly soluble drugs	10-01-20	9-1-20	1	2	

I MID EXAMINATIONS (13-01-20 to 23-01-20) AND COMMENCEMENT OF II MID CLASS WORK FROM 24-01-20

A.V.S. Himabindu 18/11/19
Prepared: Faculty / Date

Vijaya Institute of Pharmaceutical Science for Women
ENIKEPADU VIJAYAWADA

Verified: HOD / Date
VIJAYA INSTITUTE
PHARMACEUTICAL SCIENCES FOR WOMEN
ENIKEPADU VIJAYAWADA 521 108

VIPW/7.5/1/RC04

TEACHING PLAN CUM REALIZATION

Department: B. Pharmacy **Name of the faculty:** A.V.S. Himabindu **Designation:** Asst.Prof
Semester/ year: II / III **Name of the subject:** Biopharmaceutics and Pharmacokinetics (SEC-A)

Sl.No	Unit/topic	Teaching planned on (Date)	Taught on (Date)	No of periods (Planned)	No of periods (Actual taken)	Remark (If any deviation)
31	**UNIT-III: Pharmacokinetics:** introduction to pharmacokinetics	24-01-20	24-1-20	1	1	
32	significance of plasma drug concentration measurement	24-01-20	26-1-20	1	1	
33	Compartment models	29-01-20	27-1-20	1	1	
34	mammillary & catenary models	30-01-20	31-1-20	1	1	
35	non compartment models	31-01-20	31-1-20	1	1	
36	Physiological models	31-01-20	3-2-20	1	1	
37	Rate, rate constants & order of reactions, zero order rate constant First order rate constant	5-02-20	3-2-20	1	1	
38	One compartment open model(IV bolus administration)	6-02-20	6-2-20	1	1	
39	One compartment open model-IV infusion	7-02-20	7-2-20	1	1	
40	One compartment open model-extravascular administration	7-02-20	7-2-20	1	1	
41	Curve fitting(method of residuals) regression procedures	12-02-20	10-2-20	1	1	
42	Wagner-nelson method for estimation of ka	13-02-20	12-2-20	1	1	
43	Distribution coefficient	14-02-20	13-2-20	1	1	
44	Determination of pharmacokinetic parameters from plasma data	14-02-20	18-2-20	1	1	
45	Determination of pharmacokinetic parameters from urine data	19-02-20	14-2-20	1	1	

A.V.S. Himabindu 18/11/19
Prepared: Faculty / Date

Vijaya Institute of Pharmaceutical Sciences for Women ENIKEPADU VIJAYAWADA

PRINCIPAL
VIJAYA INSTITUTE
PHARMACEUTICAL SCIENCES FOR WOMEN
ENIKEPADU VIJAYAWADA 521 108

Verified: HOD / Date

VIPW/7.5/1/RC04

TEACHING PLAN CUM REALIZATION

Department: B. Pharmacy **Name of the faculty:** A.V.S. Himabindu **Designation:** Asst.Prof
Semester/ year: II / III **Name of the subject:** Biopharmaceutics and Pharmacokinetics (SEC-A)

Sl.No	Unit/topic	Teaching planned on (Date)	Taught on (Date)	No of periods (Planned)	No of periods (Actual taken)	Remark (If any deviation)
46	Concept of clearance, mechanism, clearance ratio, determination of renal clearance	20-02-20	20-2-20	1	1	
47	**UNIT-IV: Multicompartment models:** Introduction	26-02-20	26-2-20	1	1	
48	Two compartment open model IV bolus drug administration	27-02-20	27-2-20	1	1	
49	Two compartment open model EV drug administration	28-02-20	28-2-20	1	1	
50	Loo- Reigalmann method of estimating Ka	28-02-20	28-2-20	1	1	
51	Kinetics of multiple dosing	4-03-20	4-3-20	1	1	
52	Steady state drug levels	5-03-20	5-3-20	1	1	
53	Calculation of loading and maintenance doses	6-03-20	6-3-20	1	1	
54	Significance in clinical setting	6-03-20	6-3-20	1	1	
55	**UNIT-V:Non-linear Pharmacokinetics**: Introduction	11-03-20	11-3-20	1	1	
56	Causes of non linearity	12-03-20	12-3-20	1	1	
57	Detection of non linearity	13-03-20	13-3-20	1	1	
58	Michales menten equation	13-03-20	13-3-20	1	1	
59	Estimation of pharmacokinetic parameters	18-03-20	18-3-20	1	1	
60	Explanation with example of drugs	19-03-20	19-3-20	1	1	

II MID EXAMINATIONS (23-03-20 to 28-03-20)

A.V.S. Himabindu 18/11/19
Prepared: Faculty / Date

Vijaya Institute of Pharmaceutical Sciences for Women ENIKEPADU VIJAYAWADA

Verified: HOD / Date

VIJAYA INSTITUTE
PHARMACEUTICAL SCIENCES FOR WOMEN
ENIKEPADU VIJAYAWADA 521 108

VIPW/7.5/1/RC04

TEACHING PLAN CUM REALIZATION

Department: B. Pharmacy **Name of the faculty:** A.V. S. Himabindu **Designation:** Asst.Prof
Semester/ year: II / III **Name of the subject:** Biopharmaceutics and Pharmacokinetics (SEC-B)

Sl.No	Unit / Topic	Teaching planned on (Date)	Taught on (Date)	No of periods (Planned)	No of periods (Actual taken)	Remark (If any deviation)
1	**UNIT-I: Biopharmaceutics:** introduction to biopharmaceutics and pharmacokinetics	18-11-19	18-11-19	1	1	
2	**Absorption:** mechanisms of drug absorption- passive diffusion	18-11-19	18-11-19	1	1	
3	ion pair and pore transport, Facilitated diffusion, carrier mediated	20-11-19	20-11-19	1	1	
4	Active transport, endocytosis	21-11-19	21-11-19	1	1	
5	Factors influencing absorption- physicochemical factors-solubility	25-11-19	25-11-19	1	1	
6	Theories of dissolution,particle size, polymorphism,salt form of drug	25-11-19	25-11-19	1	1	
7	pKa of the drug and lipophilicity of the drug, pH partition theory	27-11-19	27-11-19	1	1	
8	Pharmaceutical factors- Dosage form factors	30-11-19	30-11-19	1	1	
9	Physiological factors-gastric emptying, GI pH, transit time	2-12-19	2-12-19	1	1	
10	Disease state and others	2-12-19	2-12-19	1	1	
11	Absorption of drug from non per oral ev route	4-12-19	4-12-19	1	1	
12	**Distribution:** drug distribution in the body, Steps in drug distribution	7-12-19	7-12-19	1	1	
13	Factors influencing distribution of drugs- tissue permeability of drugs	9-12-19	9-12-19	1	1	
14	Physiological barriers affecting drug distribution	9-12-19	9-12-19	1	1	
15	Apparent Volume of drug distribution	11-12-19	11-12-19	1	1	
16	Plasma protein binding mechanisms	16-12-19	12-12-19	1	1	
17	Binding of drugs to blood components	16-12-19	13-12-19	1	1	
18	Tisssue binding of drugs	18-12-19	16-12-19	1	1	

A.V.S. Himabindu 18/11/19
Prepared: Faculty / Date

Vijaya Institute of Pharmaceutical Sciences for Women ENIKEPADU VIJAYAWADA

PRINCIPAL
Verified: HOD / Date

VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN
ENIKEPADU, VIJAYAWADA 521 108

VIPW/7.5/1/RC04

TEACHING PLAN CUM REALIZATION

Department: B. Pharmacy **Name of the faculty:** A.V.S. Himabindu **Designation:** Asst.Prof
Semester/ year: II / III **Name of the subject:** Biopharmaceutics and Pharmacokinetics (SEC-B)

Sl.No	Unit / Topic	Teaching planned on (Date)	Taught on (Date)	No of periods (Planned)	No of periods (Actual taken)	Remark (If any deviation)
19	Factors affecting protein drug binding	21-12-19	18-12-19	1	1	
20	Clinical Significance & kinetics of protein binding	23-12-19	21-12-19	1	1	
21	**UNIT-II: Elimination:** Drug metabolism	23-12-19	23-12-19	1	2	
22	Metabolic pathways renal excretion of drugs	28-12-19	26-12-19	1	1	
23	Factors affecting renal excretion of drugs	30-12-19	27-12-19	1	1	
24	Renal clearance, Non renal routes of drug excretion of drugs	30-12-19	27-12-19	1	1	
25	**Bioavailability & bioequivalence:** objectives of bioavailability, absolute & relative bioavailability	2-01-20	30-12-19	1	1	
26	Measurement of bioavailability	4-01-20	30-12-19	1	1	
27	*In vitro* dissolution models	6-01-20	2-1-20	1	1	
28	Bioequivalence studies- objectives, types	6-01-20	3-1-20	1	1	
29	Bioequivalence study designs	8-01-20	3-1-20	1	1	
30	Methods to enhance the dissolution rate and bioavailability of poorly soluble drugs	10-01-20	9-1-20	1	1	

I MID EXAMINATIONS (13-01-20 to 23-01-20) AND COMMENCEMENT OF II MID CLASS WORK FROM 24-01-20

A.V.S. Himabindu 18/1/19
Prepared: Faculty / Date

Vijaya Institute of Pharmaceutical Sciences for Women • ENIKEPADU VIJAYAWADA

Verified: HOD / Date

VIJAYA INSTITUTE
PHARMACEUTICAL SCIENCES FOR WOMEN
ENIKEPADU VIJAYAWADA 521 108

VIPW/7.5/1/RC04

TEACHING PLAN CUM REALIZATION

Department: B. Pharmacy **Name of the faculty:** A.V.S. Himabindu **Designation:** Asst.Prof
Semester/ year: II / III **Name of the subject:** Biopharmaceutics and Pharmacokinetics (SEC-B)

Sl.No	Unit/topic	Teaching planned on (Date)	Taught on (Date)	No of periods (Planned)	No of periods (Actual taken)	Remark (If any deviation)
31	**UNIT-III: Pharmacokinetics:** introduction to pharmacokinetics	25-01-20	27-1-20	1	1	
32	significance of plasma drug concentration measurement	27-01-20	27-1-20	1	1	
33	Compartment models	27-01-20	29-1-20	1	1	
34	mammillary & catenary models	29-01-20	30-1-20	1	1	
35	non compartment models	1-02-20	31-1-20	1	1	
36	Physiological models	3-02-20	1-2-20	1	1	
37	Rate, rate constants & order of reactions, zero order rate constant First order rate constant	3-02-20	3-2-20	1	1	
38	One compartment open model(IV bolus administration)	5-02-20	5-2-20	1	1	
39	One compartment open model-IV infusion	7-02-20	6-2-20	1	1	
40	One compartment open model-extravascular administration	10-02-20	7-2-20	1	1	
41	Curve fitting(method of residuals) regression procedures	10-02-20	10-2-20	1	1	
42	Wagner-nelson method for estimation of ka	12-02-20	10-2-20	1	1	
43	Distribution coefficient	15-02-20	11-2-20	1	1	
44	Determination of pharmacokinetic parameters from plasma data	17-02-20	12-2-20	1	1	
45	Determination of pharmacokinetic parameters from urine data	17-02-20	15-2-20	1	1	

A.V.S. Himabindu 18/11/19
Prepared: Faculty / Date

Vijaya Institute of Pharmaceutical Sciences for Women • ENIKEPADU VIJAYAWADA

PRINCIPAL
Verified: HOD / Date

VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN
ENIKEPADU VIJAYAWADA 521 108

VIPW/7.5/1/RC04

TEACHING PLAN CUM REALIZATION

Department: B. Pharmacy **Name of the faculty:** A.V.S. Himabindu **Designation:** Asst.Prof
Semester/ year: II / III **Name of the subject:** Biopharmaceutics and Pharmacokinetics (SEC-B)

Sl.No	Unit/topic	Teaching planned on (Date)	Taught on (Date)	No of periods (Planned)	No of periods (Actual taken)	Remark (If any deviation)
46	Concept of clearance, mechanism, clearance ratio, determination of renal clearance	19-02-20	19-2-20	1	1	
47	**UNIT-IV: Multicompartment models:** Introduction	22-02-20	22-2-20	1	1	
48	Two compartment open model IV bolus drug administration	24-02-20	24-2-20	1	1	
49	Two compartment open model EV drug administration	24-02-20	24-2-20	1	1	
50	Loo- Reigalmann method of estimating Ka	26-02-20	26-2-20	1	1	
51	Kinetics of multiple dosing	29-02-20	29-2-20	1	1	
52	Steady state drug levels	2-03-20	2-3-20	1	1	
53	Calculation of loading and maintenance doses	2-03-20	2-3-20	1	1	
54	Significance in clinical setting	4-03-20	4-3-20	1	1	
55	**UNIT-V:Non-linear Pharmacokinetics**: Introduction	7-03-20	7-3-20	1	1	
56	Causes of non linearity	9-03-20	9-3-20	1	1	
57	Detection of non linearity	9-03-20	9-3-20	1	1	
58	Michales menten equation	11-03-20	11-3-20	1	1	
59	Estimation of pharmacokinetic parameters	16-03-20	16-3-20	1	1	
60	Explanation with example of drugs	18-03-20	18-3-20	1	1	

II MID EXAMINATIONS (23-03-20 to 28-03-20)

A.V.S. Himabindu 18/11/19
Prepared: Faculty / Date

Vijaya Institute of Pharmaceutical Sciences for Women • ENIKEPADU VIJAYAWADA

Verified: HOD / Date

PRINCIPAL
VIJAYA INSTITUTE
PHARMACEUTICAL SCIENCES FOR WOMEN
ENIKEPADU VIJAYAWADA 521 108

VIPW/7.5/1/RC04

TEACHING PLAN CUM REALIZATION

Department: M. Pharmacy **Name of the faculty:** Sivadasu Praveen **Designation:** Asst. Prof

Semester/ year: I / I **Name of the subject:** Modern Pharmaceutics

Sl. No	Unit / Topic	Teaching planned on (Date)	Taught on (Date)	No of periods (Planned)	No of periods (Actual taken)	Remark (If any deviation)
1	**Unit I: Pre-formulation Concepts:** Introduction	16-09-19	16/9/19	1	1	
2	Drug excipient interactions	18-09-19	18/9/19	1	1	
3	Kinetics of stability and stability testing	20-09-19	20/9/19	1	1	
4	Theories of emulsion	20-09-19	20/9/19	1	1	
5	Manufacturing and evaluation of emulsion	21-09-19	21/9/19	1	1	
6	Theories of suspension	23-09-19	23/9/19	1	1	
7	Manufacturing and evaluation of suspension	23-09-19	25/9/19	1	1	
8	SMEDDS: Theory, manufacturing and evaluation	25-09-19	27/9/19	1	1	
9	Parenteral: Physiological and formulation consideration	27-09-19	28/9/19	1	1	
10	Parenteral: Manufacturing and evaluation	28-09-19	30/9/19	1	1	
11	**Unit II: cGMP & Industrial management:** Introduction, objectives and policies	30-09-19	1/10/19	1	1	
12	Layout of building service and equipments and their maintenance	14-10-19	14/10/19	1	1	
13	Production Management: product organization, materials management	16-10-19	16/10/19	1	1	
14	Production Management: Handling and transport	18-10-19	18/10/19	1	1	
15	Inventory management and control	19-10-19	19/10/19	1	1	
16	Production and planning control	21-10-19	21/10/19	1	1	
17	Sales forecasting, budget and cost control	23-10-19	23/10/19	1	1	
18	Industrial and personal relationship	25-10-19	25/10/19	1	1	

S. Praveen

Prepared: Faculty / Date

Vijaya Institute of Pharmaceutical Sciences for Women ENIKEPADU VIJAYAWADA

Verified: HOD / Date

PRINCIPAL
VIJAYA INSTITUTE
PHARMACEUTICAL SCIENCES FOR WOMEN
ENIKEPADU VIJAYAWADA 521 108

VIPW/7.5/1/RC04

TEACHING PLAN CUM REALIZATION

Department: M. Pharmacy
Semester/ year: 1 / I
Name of the faculty: Sivadasu Praveen
Name of the subject: Modern Pharmaceutics
Designation: Asst. Prof

Sl.No	Unit / Topic	Teaching planned on (Date)	Taught on (Date)	No of periods (Planned)	No of periods (Actual taken)	Remark (If any deviation)
19	Total quality management	25-10-19	25|10|19	1	1	
20	Total quality management	26-10-19	26|10|19	1	1	
21	**Unit III: Validation:** Introduction, scope and merits	28-10-19	28|10|19	1	1	
22	Validation and calibration of master plan	30-10-19	30|10|19	1	1	
23	Equipment validation	01-11-19	1|11|19	1	1	
24	Process validation	02-11-19	2|11|19	1	1	
25	Analytical validation	04-11-19	4|11|19	1	1	
26	Cleaning validation	06-11-19	6|11|19	1	1	
27	Validation of specific dosage form	08-11-19	8|11|19	1	1	
28	ICH and WHO guidelines for validation and calibration	11-11-19	11|11|19	1	1	
29	Government regulation	13-11-19	13|11|19	1	1	
30	URS, DQ, IQ, OQ and PQ of facilities	20-11-19	20|11|19	1	1	

I MID EXAMINATIONS (14-11-19 to 18-11-19)

COMMENCEMENT OF II MID CLASS WORK FROM 19-11-2019

S. Praveen
Prepared: Faculty / Date

Vijaya Institute of Pharmaceutical Sciences for Women
ENIKEPADU VIJAYAWADA

Verified: HOD / Date

PRINCIPAL
VIJAYA INSTITUTE
PHARMACEUTICAL SCIENCES FOR WOMEN
ENIKEPADU VIJAYAWADA 521 108

VIPW/7.5/1/RC04

TEACHING PLAN CUM REALIZATION

Department: M. Pharmacy **Name of the faculty:** Sivadasu Praveen **Designation:** Asst. Prof

Semester/ year: I / I **Name of the subject:** Modern Pharmaceutics

Sl.No	Unit/topic	Teaching planned on (Date)	Taught on (Date)	No of periods (Planned)	No of periods (Actual taken)	Remark (If any deviation)
31	**Unit IV: Optimization techniques:** Introduction	22-11-19	22/11/19	1	1	
32	Concept and parameters of optimization	22-11-19	22/11/19	1	1	
33	Optimization techniques in formulation	23-11-19	23/11/19	1	1	
34	Optimization techniques in formulation	25-11-19	25/11/19	1	1	
35	Statistical designs in formulation	27-11-19	27/11/19	1	1	
36	Statistical designs in formulation	29-11-19	29/11/19	1	1	
37	Response surface method	30-11-19	30/11/19	1	1	
38	Contour designs	02-12-19	02/12/19	1	1	
39	Factorial designs	04-12-19	4/12/19	1	1	
40	Application of optimization techniques	06-12-19	6/12/19	1	1	
41	**Unit V: Compression and Compaction:** Introduction	07-12-19	9/12/19	1	1	
42	Compression	07-12-19	9/12/19	1	1	
43	Physics of tablet compression	09-12-19	11/12/19	1	1	
44	Consolidation	11-12-19	11/12/19	1	1	
45	Effects of friction	13-12-19	13/12/19	1	1	

S. Praveen

Prepared: Faculty / Date

Vijaya Institute of Pharmaceutical Sciences for Women ENIKEPADU VIJAYAWADA

Verified: HOD / Date

PRINCIPAL

VIJAYA INSTITUTE
PHARMACEUTICAL SCIENCES FOR WOMEN
ENIKEPADU VIJAYAWADA 521 108

VIPW/7.5/1/RC04

TEACHING PLAN CUM REALIZATION

Department: M. Pharmacy
Semester/ year: 1 / I
Name of the faculty: Sivadasu Praveen
Name of the subject: Modern Pharmaceutics
Designation: Asst. Prof

Sl.No	Unit/topic	Teaching planned on (Date)	Taught on (Date)	No of periods (Planned)	No of periods (Actual taken)	Remark (If any deviation)
46	Effects of friction	16-12-19	16/12/19	1	1	
47	Solubility	18-12-19	18/12/19	1	1	
48	Solubility enhancement techniques	20-12-19	20/12/19	1	1	
49	Distribution of forces	21-12-19	21/12/19	1	1	
50	Distribution of forces	21-12-19	21/12/19	1	1	
51	**Unit VI: Study of consolidation parameters:** Diffusion parameters	23-12-19	23/12/19	1	1	
52	Dissolution parameters	27-12-19	26/12/19	1	1	
53	Pharmacokinetic parameters	28-12-19	27/12/19	1	1	
54	Heckel plots	30-12-19	30/12/19	1	1	
55	Similarity factors f1 and f2	03-01-20	3/1/20	1	1	
56	Higuchi and Peppas plot	04-01-20	4/1/20	1	1	
57	Linearity concept of significance	06-01-20	6/1/20	1	1	
58	Standard deviation and chi square test	06-01-20	6/1/20	1	1	
59	Students T-test	08-01-20	9/1/20	1	1	
60	ANOVA test	10-01-20	10/1/20	1	1	

II MID EXAMINATIONS (13-01-20 to 17-01-20)

S. Praveen

Prepared: Faculty / Date

Vijaya Institute of Pharmaceutical Sciences for Women ENIKEPADU VIJAYAWADA

Verified: HOD / Date

VIJAYA INSTITUTE
PHARMACEUTICAL SCIENCES FOR WOMEN
ENIKEPADU VIJAYAWADA 521 108

TEACHING PLAN CUM REALIZATION

Department: M. Pharmacy **Name of the faculty:** Dr. M.Vamsi Krishna **Designation:** Professor
Semester/ year: I / I **Name of the subject:** Advanced Pharmaceutical Analysis

S. No	Unit / Topic	Teaching planned on (Date)	Taught on (Date)	No of periods (Planned)	No of periods (Actual taken)	Remark (If any deviation)
1	UNIT I: Classification of impurities	16-09-19	16-9-19	1	1	
2	Classification of impurities	18-09-19	18-9-19	1	1	
3	Quantification of impurities	20-09-19	20-9-19	1	1	
4	Reporting and control of degradation products	21-09-19	21-09-19	1	1	
5	Reporting of degradation products	23-09-19	23-9-19	1	1	
6	Listing of degradation products	25-09-19	25-9-19	1	1	
7	Qualification of degradation products	27-09-19	27-9-19	1	1	
8	Classification of residual solvents	28-09-19	28-9-19	1	1	
9	Limits of residual solvents	30-09-19	30-9-19	1	1	
10	Reporting levels of residual solvents	01-10-19	1-10-19	1	1	
11	UNIT II:Elemental impurities	14-10-19	14-10-19	1	1	
12	Control of elemental impurities	16-10-19	16-10-19	1	1	
13	Sources of elemental impurities	18-10-19	18-10-19	1	1	
14	Identification of elemental impurities	19-10-19	19-10-19	1	1	
15	C,H,N and S analysis	21-10-19	21-10-19	1	1	
16	Selection of batches	23-10-19	23-10-19	1	1	
17	Sampling frequency and specifications	25-10-19	25-10-19	1	1	
18	Stability commitment	26-10-19	26-10-19	1	1	

Prepared: Faculty / Date

Vijaya Institute of Pharmaceutical Sciences for Women ENIKEPADU VIJAYAWADA

Verified: HOD / Date

PRINCIPAL
VIJAYA INSTITUTE
PHARMACEUTICAL SCIENCES FOR WOMEN
ENIKEPADU VIJAYAWADA 521 108

TEACHING PLAN CUM REALIZATION

Department: M. Pharmacy
Semester/ year: I / I

Name of the faculty: Dr. M. Vamsi Krishna
Name of the subject: Advanced Pharmaceutical Analysis

Designation: Professor

Sl. No	Unit / Topic	Teaching planned on (Date)	Taught on (Date)	No of periods (Planned)	No of periods (Actual taken)	Remark (If any deviation)
19	Factors – temperature, pH	28-10-19	28-10-19	1	1	
20	Ionic strength, dielectric constant	30-10-19	30-10-19	1	1	
21	UNIT III:Method development, stability studies	1-11-19	1-11-19	1	1	
22	Stability testing –accelerated	2-11-19	2-11-19	1	1	
23	Shelf life calculations	4-11-19	4-11-19	1	1	
24	WHO & ICH stability testing guidelines	6-11-19	6-11-19	1	1	
25	Stability zones	8-11-19	8-11-19	1	1	
26	Basics of impurity profiling	9-11-19	9-11-19	1	1	
27	Degradant characterization	11-11-19	11-11-19	1	1	
28	Photostability testing	13-11-19	13-11-19	1	1	
29	Photostability testing	15-11-19	15-11-19	1	1	
30	Stability-biological products	16-11-19	16-11-19	1	1	

I MID EXAMINATIONS (11-11-19 to 16-11-19) AND COMMENCEMENT OF II MID CLASS WORK FROM 18-11-19

Prepared: Faculty / Date

Vijaya Institute of Pharmaceutical Sciences for Women • ENIKEPADU VIJAYAWADA

Verified: HOD / Date

PRINCIPAL
VIJAYA INSTITUTE
PHARMACEUTICAL SCIENCES FOR WOMEN
ENIKEPADU VIJAYAWADA 521 108

TEACHING PLAN CUM REALIZATION

Department: M. Pharmacy **Name of the faculty:** Dr. M.Vamsi Krishna **Designation:Professor**
Semester/ year: I / I **Name of the subject:** Advanced Pharmaceutical Analysis

Sl. No	Unit/topic	Teaching planned on (Date)	Taught on (Date)	No of periods (Planned)	No of periods (Actual taken)	Remark (If any deviation)
31	UNIT IV:Regulatory requirements	18-11-19	18-11-19	1	1	
32	Protocols	20-11-19	20-11-19	1	1	
33	HPTLC fingerprinting	22-11-19	22-11-19	1	1	
34	HPTLC fingerprinting	23-11-19	23-11-19	1	1	
35	HPTLC fingerprinting	25-11-19	25-11-19	1	1	
36	HPLC fingerprinting	27-11-19	27-11-19	1	1	
37	HPLC fingerprinting	29-11-19	29-11-19	1	1	
38	HPLC fingerprinting	30-11-19	30-11-19	1	1	
39	Interactions and complexity	2-12-19	2-12-19	1	1	
40	Interactions and complexity	4-12-19	4-12-19	1	1	
41	UNIT V:Adsorbed tetanus vaccine	6-12-19	6-12-19	1	1	
42	Adsorbed diphtheria vaccine	7-12-19	7-12-19	1	1	
43	Human antihaemophilic vaccine	9-12-19	9-12-19	1	1	
44	Rabies vaccine	11-12-19	11-12-19	1	1	
45	Tetanus anti-toxin	13-12-19	13-12-19	1	1	
46	Tetanus anti-serum	14-12-19	14-12-19	1	1	
47	Oxytocin	16-12-19	16-12-19	1	1	

Prepared: Faculty / Date

Vijaya Institute of Pharmaceutical Sciences for Women
ENIKEPADU VIJAYAWADA

Verified: HOD / Date

PRINCIPAL
VIJAYA INSTITUTE
PHARMACEUTICAL SCIENCES FOR WOMEN
ENIKEPADU VIJAYAWADA 521 108

TEACHING PLAN CUM REALIZATION

Department: M. Pharmacy **Name of the faculty:** Dr. M.Vamsi Krishna **Designation:** Professor
Semester/ year: I / I **Name of the subject:** Advanced Pharmaceutical Analysis

Sl. No	Unit/topic	Teaching planned on (Date)	Taught on (Date)	No of periods (Planned)	No of periods (Actual taken)	Remark (If any deviation)
48	Heparin sodium , Antivenom	18-12-19	18-12-19	1	1	
49	PCR studies for gene regulation	20-12-19	20-12-19	1	1	
50	PCR instrumentation	21-12-19	21-12-19	1	1	
51	UNIT VI: Basic principles of immunoassay	23-12-19	23-12-19	1	1	
52	Production of antibodies	27-12-19	27-12-19	1	1	
53	Separation of bound and unbound drug	28-12-19	28-12-19	1	1	
54	Separation of bound and unbound drug	30-12-19	30-12-19	1	1	
55	Radioimmunoassay	3-1-20	3-1-20	1	1	
56	Optical immunoassay	4-1-20	4-1-20	1	1	
57	Enzyme immunoassay	6-1-20	6-1-20	1	1	
58	Fluro IA	8-1-20	8-1-20	1	1	
59	Luminiscence IA	9-1-20	9-1-20	1	1	
60	Quantification and applications of IA	10-1-20	10-1-20	1	1	

II MID EXAMINATIONS (13-1-20 to 25-1-20)

Prepared: Faculty / Date

Vijaya Institute of Pharmaceutical Sciences for Women
ENIKEPADU VIJAYAWADA

Verified: HOD / Date

PRINCIPAL
VIJAYA INSTITUTE
PHARMACEUTICAL SCIENCES FOR WOMEN
ENIKEPADU VIJAYAWADA 521 108

TEACHING PLAN CUM REALIZATION

Department: M. Pharm (Pharmacology)

Name of the faculty: Dr. S.Sundar **Designation: Assoc. Professor**

Semester/ year: I Sem / I year **Name of the subject: Cellular and Molecular Pharmacology**

Sl.No	Unit / Topic	Teaching planned on (Date)	Taught on (Date)	No of periods (Planned)	No of periods (Actual taken)	Remark (If any deviation)
1	Introduction to cell biology	16.09.2019	16/9/19	1	1	
2	Structure and functionsw of cell	18.09.2019	18/9/19	1	1	
3	Cell organelles	20.09.2019	20/9/19	1	1	
4	Genome organization	21.09.2019	21/9/19	1		
5	Gene expression and it's Regulation	23.09.2019	23/9/19	1	1	
6	Importance of Si RNA & Micro RNA	24.09.2019	24/9/19	1	1	
7	Gene Mapping	25.09.2019	25/9/19	1	1	
8	Gene Sequencing	27.09.2019	27/9/19	1	1	
9	Cell cycle and it's Regulation	28.09.2019	28/9/19	1	1	
10	Cell death	30.09.2019	30/9/19	1	1	
11	Intrinsic pathway	04.10.2019	4/10/19	1	1	
12	Extrinsic pathway	05.10.2019	5/10/19	1	1	
13	Apoptosis, Necrosis	14.10.2019	14/10/19	1	1	
14	Autophagy	15.10.2019	15/10/19	1	1	
15	Cell signaling	16.10.2019	16/10/19	1	1	
16	Inercellular & intracellular signaling pathways	18.10.2019	18/10/19	1	1	
17	Ligand gated ion channel	19.10.2019	19/10/19	1	1	
18	G protein coupled receptors	21.10.2019	21/10/19	1	1	
19	Tyrosine kinase receptors	23.10.2019	23/10/19	1	1	

D. Sundar

Prepared: Faculty/ Date

Vijaya Institute of Pharmaceutical Sciences for Women ENIKEPADU VIJAYAWADA

PRINCIPAL VIJAYA INSTITUTE PHARMACEUTICAL SCIENCES FOR WOMEN ENIKEPADU VIJAYAWADA 521 108

Verified: HOD/ Date

TEACHING PLAN CUM REALIZATION

Department: M. Pharm (Pharmacology)

Name of the faculty: Dr. S.Sundar **Designation: Assoc. Professor**

Semester/ year: I Sem / I year **Name of the subject: Cellular and Molecular Pharmacology**

Sl.No	Unit / Topic	Teaching planned on (Date)	Taught on (Date)	No of periods (Planned)	No of periods (Actual taken)	Remark (If any deviation)
20	Nuclear receptors	24.10.2019	24/10/19	1	1	
21	Secondary messengers –Cyclic AMP	25.10.2019	25/10/19	1	1	
22	Cyclic GMP	28.10.2019	28/10/19	1	1	
23	Calcium Ion, Inositol 1,4,5 tri phosphate	30.10.2019	30/10/19	1	1	
24	Nitric oxide, Diacyl Glycerol	01.11.2019	1/11/19	1	1	
25	Cyclic AMP Pathway	02.11.2019	2/11/19	1	1	
26	Mitogen Activated Protein Kinase Pathway (MAPK)	04.11.2019	4/11/19	1	1	
27	Janus kinase (JAK)	05.11.2019	5/11/19	1	1	
28	Signal transducer and activator of Transcription (STAT)	06.11.2019	6/11/19	1	1	
29	Principle and applications of Genomic tools	08.11.2019	8/11/19	1	1	
30	DNA Electrophoresis	09.11.2019	9/11/19	1	1	
I MID EXAMINATION FROM (11/11/2019 TO 16/11/2019) AND COMMENCEMENT OF II MID CLASS WORK						
31	PCR (Reverse Transcription, Real Time)	18.11.2019	18/11/19	1	1	
32	Micro array technique	20.11.2019	20/11/19	1	1	
33	SDS Page	22.11.2019	22/11/19	1	1	
34	ELISA	23.11.2019	23/11/19	1	1	
35	Western Blotting,	25.11.2019	25/11/19	1	1	

S. Sundar

Prepared: Faculty/ Date

Vijaya Institute of Pharmaceutical Sciences for Women ENIKEPADU VIJAYAWADA

Verified: HOD/ Date

VIJAYA INSTITUTE
PHARMACEUTICAL SCIENCES FOR WOMEN
ENIKEPADU VIJAYAWADA 521 108

TEACHING PLAN CUM REALIZATION

Department: M. Pharm (Pharmacology)

Name of the faculty: Dr. S.Sundar **Designation: Assoc. Professor**

Semester/ year: I Sem / I year **Name of the subject: Cellular and Molecular Pharmacology**

Sl.No	Unit / Topic	Teaching planned on (Date)	Taught on (Date)	No of periods (Planned)	No of periods (Actual taken)	Remark (If any deviation)
36	Recombinant technology, Restriction enzymes	27.11.2019	27/11/19	1	1	
37	Various types of vectors	29.11.2019	29/11/19	1	1	
38	Application of Recombinant DNA Technology	30.11.2019	30/11/19	1	1	
39	Gene Therapy, Types of gene transfer techniques	02.12.2019	2/12/19	1	1	
40	Clinical Applications	04.12.2019	4/12/19	1	1	
41	Recent Advances in gene therapy	06.12.2019	6/12/19	1	1	
42	Pharmacogenomics	07.12.2019	7/12/19	1	1	
43	Gene Mapping and cloning disease gene	09.12.2019	9/12/19	1	1	
44	Genetic variation and it's role in health and pharmacology	10.12.2019	10/12/19	1	1	
45	Polymorphism affecting drug metabolism	11.12.2019	11/12/19	1	1	
46	Genetic variation in G protein coupled receptors	13.12.2019	13/12/19	1	1	
47	Genomics, Proteomics	14.12.2019	14/12/19	1	1	
48	Metabolomics, Fuctionomics	16.12.2019	16/12/19	1	1	
49	Nutrigenomics, Immunotherapeutics	18.12.2019	18/12/19	1	1	
50	Basic equipemts used in cell culture	20.12.2019	20/12/19.	1	1	

Prepared: Faculty/ Date

Vijaya Institute of Pharmaceutical Sciences for Women ENIKEPADU VIJAYAWADA

Verified: HOD/ Date

PRINCIPAL
VIJAYA INSTITUTE
PHARMACEUTICAL SCIENCES FOR WOMEN
ENIKEPADU VIJAYAWADA 521 108

TEACHING PLAN CUM REALIZATION

Department: M. Pharm (Pharmacology)

Name of the faculty: Dr. S.Sundar **Designation: Assoc. Professor**

Semester/ year: I Sem / I year **Name of the subject: Cellular and Molecular Pharmacology**

Sl.No	Unit / Topic	Teaching planned on (Date)	Taught on (Date)	No of periods (Planned)	No of periods (Actual taken)	Remark (If any deviation)
51	Cell culture media,	21.12.2019	21/12/19	1	1	
52	Types of cell culture	23.12.2019	23/12/19	1	1	
53	Procedure of cell culture	24.12.2019	24/12/19	1	1	
54	Isolation of cells, Subculture	27.12.2019	27/12/19	1	1	
55	Cryopreservation,	28.12.2019	28/12/19	1	1	
56	Cell viability assays	03.01.2020	3/1/20	1	1	
57	Glucose uptake assay	04.01.2020	4/1/20	1	1	
58	Calcium influx assay	06.01.2020	6/1/20	1	1	
59	Flow cytometry	08.01.2020	8/1/20	1	1	
60	Biosimilars	10.01.2020	10/1/20	1	1	

II MID EXAMINATION FROM (13/01/2020 TO 25/01/2020)

Prepared: Faculty/ Date

Vijaya Institute of Pharmaceutical Sciences for Women ENIKEPADU VIJAYAWADA

Verified: HOD/ Date

PRINCIPAL
VIJAYA INSTITUTE
PHARMACEUTICAL SCIENCES FOR WOMEN
ENIKEPADU VIJAYAWADA 521 108

VIPW/7.5/1/RC04

TEACHING PLAN CUM REALIZATION

Department: Pharmacy **Name of the faculty:** D.Vijaya Durga **Designation:** Assoc. prof

Semester/ year: I-Pharm.D **Name of the subject: Pharmaceutical Inorganic Chemistry**

Sl. No	Unit / Topic	Teaching planned on (Date)	Taught on (Date)	No of periods (Planned)	No of periods (Actual taken)	Remark (If any deviation)
1	Introduction to Inorganic Chemistry	16/09/19	16/9/19	1	1	
2	Pharmacopoeia and its types	17/09/19	17/9/19	1	1	
3	Pharmacopoeial description and monographs with examples.	18/09/19	18/9/19	1	1	
4	**Limit tests** Introduction and types of impurities	21/09/19	21/9/19	1	1	
5	Sources Of Impurities with examples	23/09/19	23/9/19	1	1	
6	Limit test for chlorides & sulphates	24/09/19	24/9/19	1	1	
7	Tutorial	25/09/19	25/9/19	1	1	
8	Limit test for Iron	28/09/19	28/9/19	1	1	
9	Limit test for heavy metals	30/09/19	30/9/19	1	1	
10	Limit test for arsenic	01/10/19	1/10/19	1	1	
11	Tutorial	14/10/19	14/10/19	1	1	
12	**Errors** -types of errors	15/10/19	15/10/19	1	1	
13	Minimization of errors	16/10/19	16/10/19	1	1	
14	Tutorial	19/10/19	19/10/19	1	1	
15	**Volumetric analysis** Terms	21/10/19	21/10/19	1	1	
16	Classification of titrations with examples	22/10/19	22/10/19	1	1	
17	**Acid base titrations:** Introd & Law of mass action	23/10/19	23/10/19	1	1	
18	Tutorial	26/10/19	26/10/19	1	1	
19	Common ion effect, ionic product of water	28/10/19	28/10/19	1	1	
20	P^H, Dissociation constant for weak acids and bases	29/10/19	29/10/19	1	1	
21	Buffers- types and buffer action,	30/10/19	30/10/19	1	1	
22	Tutorial	02/11/19	2/11/19	1	1	
23	Role of buffers in pharmacy	04/11/19	4/11/19	1	1	
24	salt hydrolysis, Types of titrations	05/11/19	5/11/19	1	1	

Vijaya Institute of Pharmaceutical Sciences for Women ENIKEPADU VIJAYAWADA

PRINCIPAL
VIJAYA INSTITUTE
PHARMACEUTICAL SCIENCES FOR WOMEN
ENIKEPADU VIJAYAWADA 521 108

Sl. No	Unit /Topic	Teaching planned on (Date)	Taught on (Date)	No of periods (Planned)	No of periods (Actual taken)	Remark (If any deviation)
25	Neutralization curves	06/11/19	6/11/19	1	1	
26	Tutorial	11/11/19	11/11/19	1	1	
27	Acid base indicators and examples	12/11/19	12/11/19	1	1	
28	**Theory of indicators**	13/11/19	13/11/19	1	1	
29	**Gravimetry** Steps Involved	16/11/19	16/11/19	1	1	
30	Errors in Gravimetry.	18/11/19	18/11/19	1	1	
31	Tutorial	19/11/19	19/11/19	1	1	
32	Preparations and examples	20/11/19	20/11/19	1	1	
33	**Dental products:** types and explanation	23/11/19	23/11/19	1	1	
34	Tutorial	25/11/19	25/11/19	1	1	
35	Anti carries agents-role of fluorine and phosphorous	26/11/19	26/11/19	1	1	
36	Dentifrices	27/11/19	27/11/19	1	1	
37	Polishing, desensitizing agents and examples	30/11/19	30/11/19	1	1	
38	Tutorial	02/12/19	2/12/19	1	1	
39	Oral antiseptics, astringents, mouth washes	03/12/19	3/12/19	1	1	
40	Cements and fillers, alveolar analgesics	04/12/19	4/12/19	1	1	
41	**Antacids :** types	07/12/19	7/12/19	1	1	
	Commencement of I MID Exam					
42	Evaluation of activity and drug interactions& Antacids and exp	16/12/19	16/12/19	1	1	
43	Tutorial	17/12/19	17/12/19	1	1	
44	Calcium compounds	18/12/19	18/12/19	1	1	
45	Magnesium compounds	21/12/19	21/12/19	1	1	

Prepared: Faculty / Date

Vijaya Institute of Pharmaceutical Sciences for Women
ENIKEPADU VIJAYAWADA

Verified: HOD / Date

PRINCIPAL
VIJAYA INSTITUTE
PHARMACEUTICAL SCIENCES FOR WOMEN
ENIKEPADU VIJAYAWADA 521 108

Sl.No	Unit /Topic	Teaching planned on (Date)	Taught on (Date)	No of periods (Planned)	No of periods (Actual taken)	Remark (If any deviation)
46	Sodium compounds and combinations	23/12/19	23/12/19	1	1	
47	Aluminium compounds	24/12/19	24/12/19	1	1	
48	Protective and adsorbents	28/12/19	28/12/19	1	1	
49	Laxatives and its examples	30/12/19	30/12/19	1	1	
50	Tutorial	31/12/19	31/12/19	1	1	
51	Purgatives and eg's	04/01/20	4/1/20	1	1	
52	**Cathartics** and its eg's	06/01/20	6/1/20	1	1	
53	Tutorial	07/01/20	7/1/20	1	1	
54	**Redox titrations:** types and eg's, factors	08/01/20	8/1/20	1	1	
55	Permanganometry and eg's	20/01/20	20/1/20	1	1	
56	Cerimetry and eg's	21/01/20	21/1/20	1	1	
57	Tutorial	22/01/20	22/1/20	1	1	
58	Iodometry and eg's	25/01/20	25/1/20	1	1	
59	Iodimetry and eg's	27/01/20	27/1/20	1	1	
60	**Non aqueaous titrations:** Introduction and types of solvents	28/01/20	28/1/20	1	1	
61	Types of titrations with exps &applications	29/01/20	29/1/20	1	1	
62	**Anti microbials:** mechanism of action	01/02/20	1/2/20	1	1	
63	Hydrogen peroxide, potassium permanganate	03/02/20	3/2/20	1	1	
64	Iodine, mercury compounds and eg's	04/02/20	4/2/20	1	1	
65	Tutorial	05/02/20	5/2/20	1	1	
66	**Medicinal gases**: oxygen, Co_2	10/02/20	10/2/20	1	1	
67	Role-ammonia, nitrous oxide	11/02/20	11/2/20	1	1	
68	Assay of medicinal gases	12/02/20	14/2/20	1	1	
69	Tutorial	15/02/20	15/2/20	1	1	
70	**Complexometric titrations:** Introduction	17/02/20	17/2/20	1	1	
71	Types of ligands and significance	18/02/20	18/2/20	1	1	
72	Masking and demasking agents	19/02/20	19/2/20	1	1	

Prepared: Faculty / Date

Vijaya Institute of Pharmaceutical Sciences for Women ENIKEPADU VIJAYAWADA

Verified: HOD / Date

PRINCIPAL
VIJAYA INSTITUTE
PHARMACEUTICAL SCIENCES FOR WOMEN
ENIKEPADU VIJAYAWADA 521 108

Sl. No	Unit /Topic	Teaching planned on (Date)	Taught on (Date)	No of periods (Planned)	No of periods (Actual taken)	Remark (If any deviation)
73	Tutorial	22/02/20	22/2/20	1	1	
74	Types of titrations	25/02/20	25/2/20	1	1	
75	EDTA-preparation standardization and uses	26/02/20	26/2/20	1	1	
76	Stability of complexes & coordination number	27/02/20	27/2/20	1	1	
77	Tutorial	02/03/20	2/3/20	1	1	
78	Methods of detection of end point	03/03/20	3/3/20	1	1	
79	**Essential trace elements:** introduction	04/03/20	4/3/20	1	1	
80	Biological role of iron	07/03/20	5/3/20	1	1	
	Commencement of II MID Exam					
81	Biological role of sulphur	16/03/20	16/3/20	1	1	
82	Biological role of copper	17/03/20	17/3/20	1	1	
83	Biological role of zinc	18/03/20	6/4/20	1	1	Due to COVID-19
84	Biological role of iodine	21/03/20	7/4/20	1	1	
85	Tutorial	23/03/20	8/4/20	1	1	
86	Biological role of selenium	24/03/20	9/4/20	1	1	
87	**Pharmaceutical aids:** introduction	25/03/20	10/4/20	1	1	
88	Classification and eg's	28/03/20	13/04/20	1	1	
89	Tutorial	30/03/20	15/4/20	1	1	
90	Acidifiers , buffers and adsorbents	31/03/20	16/4/20	1	1	
91	Antioxidants and preservatives	01/04/20	17/4/20	1	1	
92	Excipients and suspending agents	04/04/20	20/4/20	1	1	
93	Tutorial	06/04/20	21/4/20	1	1	
94	Filter aids , solvents and vehicles	07/04/20	22/4/20	1	1	
95	**Precipation titrations:** Introduction	13/04/20	23/4/20	1	1	
96	Principle&Types of titrations	15/04/20	24/4/20	1	1	
97	Methods and applications with examples	18/04/20	27/4/20	1	1	
98	Tutorial	20/04/20	28/4/20	1	1	

Prepared: Faculty / Date

Vijaya Institute of Pharmaceutical Sciences for Women ENIKEPADU VIJAYAWADA

Verified: HOD / Date

PRINCIPAL VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN ENIKEPADU VIJAYAWADA 521 108

Sl.No	Unit /Topic	Teaching planned on (Date)	Taught on (Date)	No of periods (Planned)	No of periods (Actual taken)	Remark (If any deviation)
99	**Radio pharmaceuticals :** introduction	21/04/20	1/5/20	1	1	
100	Types of Radio pharmaceuticals	22/04/20	4/5/20	1	1	
101	Tutorial	25/04/20	5/5/20	1	1	
102	Measurement of radio activity	27/04/20	6/5/20	1	1	
103	Geiger –muller counters	28/04/20	7/5/20	1	1	
104	Scintillation counters	29/04/20	8/5/20	1	1	
105	Tutorial	02/05/20	11/5/20	1	1	
106	Radio pharmaceuticals and eg's	04/05/20	12/5/20	1	1	
107	**Electrolyte replenishes:** types	05/05/20	13/5/20	1	1	
108	Role of major physiological cations and anions	06/05/20	14/5/20	1	1	
109	Examples of electrolytes	11/05/20	15/5/20	1	1	
110	Electrolytes used in replacement therapy and eg's	12/05/20	18/5/20	1	1	
111	Electrolyte combination therapy and eg's	13/05/20	19/5/20	1	1	
112	ORS and others	16/05/20	20/5/20	1	1	
113	Physiological acid base balance	18/05/20	21/5/20	1	1	
114	**Miscellaneous compounds:** introduction	19/05/20	26/5/20	1	1	
115	Antineoplastic agents	20/05/20	27/5/20	1	1	
116	Tutorial	23/05/20	28/5/20	1	1	
117	Sedatives and eg's	25/05/20	29/5/20	1	1	
118	Anticonvulsants and eg's	27/05/20	1/6/20	1	1	
119	Antidepressants and eg's	30/05/20	2/6/20	1	1	
120	Tutorial	01/06/20	3/6/20	1	1	
121	Anti rheumatics and eg's	02/06/20	4/6/20	1	1	
122	Anti thyroids and eg's	03/06/20	5/6/20	1	1	
123	Diagnostic agents and eg's	06/06/20	8/6/20	1	1	
124	Surgical aids and eg's	08/06/20	9/6/20	1	1	
125	Disinfectants and eg's	09/06/20	10/6/20	1	1	
126	Revision	10/06/20	11/6/20	1	1	
Commencement of III MID Exam						

Prepared: Faculty / Date

Vijaya Institute of Pharmaceutical Sciences for Women ENIKEPADU VIJAYAWADA

PRINCIPAL VIJAYA INSTITUTE PHARMACEUTICAL SCIENCES FOR WOMEN ENIKEPADU VIJAYAWADA 521 108

Verified: HOD / Date