



Children's Education Society (Regd.)

The Oxford College of Pharmacy

(Recognised by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Sciences, Karnataka,
Approved by Pharmacy Council of India, New Delhi)

Accredited by NAAC and International Accreditation Organization (IAO)

Mechanism of internal assessment is transparent and robust in terms of frequency and mode

The college has transparent and in time evaluation process for internal assessment of sessional exams, assignment evaluation, tests evaluations, etc. To have a transparency in internal assessment, the internal assessment exams are planned well in advance as per the academic calendar events and same is informed to all the students and teachers, so that the teachers can plan their syllabus for each internal assessment exams and classes to complete the syllabus.

We have examining committee to conduct the internal exams, all subject teachers have to prepare two question papers for each subject and submit to the examination committee. The HODS will scrutinise the question papers and chose one and same is given for examination.

Students who are admitted for the concerned course are assessed continuously in regular classes other than internal exams. The Continuous evaluation is made through Group Discussion, Unit Tests, Assignments Submission and viva voce. Unit tests are conducted regularly as per the after completion of each lesson. The performance of the students is explained in class room and poor/average performing students are guided properly in regular and/or by conducting extra classes. Personal guidance is given to the poor performing students. Students appearing for Second /third year are asked to deliver the seminars of the concerned subject.

P. Pradeep
PRINCIPAL

The Oxford College of Pharmacy
No. 6/9, 1st Cross, Begur Road, Hongasandra, Bengaluru - 560 068
Bengaluru - 560068



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I Sessional Theory Time Table for B Pharm II Sem (AUG 2023)

Date	Time	Subject
28/8/23	10:00-11:00 AM	Human Anatomy and Physiology II
29/8/23	10:00-11:00 AM	Pharmaceutical organic Chemistry-I
30/8/23	10:00-11:00 AM	Biochemistry
31/8/23	10:00-11:00 AM	Pathophysiology
1/9/23	10:00-11:00 AM	Computer Applications
2/9/23	10:00-11:00 AM	Environmental Sciences

I Sessional Practical Time Table for B Pharm II Sem (AUG 2023)

Date	Subject	Batch	Time
28/8/23 Monday	Human Anatomy and Physiology II	B-I	1:30-4:00 PM
	Pharmaceutical organic Chemistry-I	B-II	1:30-4:00 PM
	Biochemistry	B-III	1:30-4:00 PM
29/8/23 Tuesday	Computer Applications	Roll NO: 1-40	1:30-4:00 PM
30/8/23 Wednesday	Computer Applications	Roll NO: 41-81	1:30-4:00 PM
31/08/23 Thursday	Human Anatomy and Physiology II	B-II	1:30-4:00 PM
	Pharmaceutical organic Chemistry-I	B-III	1:30-4:00 PM
	Biochemistry	B-I	1:30-4:00 PM
1/09/23 Friday	Human Anatomy and Physiology II	B-III	1:30-4:00 PM
	Pharmaceutical organic Chemistry-I	B-I	1:30-4:00 PM
	Biochemistry	B-II	1:30-4:00 PM

G. Nagalakshmi
Dean Exam

Dr Nagalakshmi G

Dean Academic

Dr Parthasarathy G

P. Padma
Principal

Dr Padma M Paarakh



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II Sessional Theory Time Table for B Pharm II Sem (OCT 2023)

Date	Time	Subject
16/10/23	10:00-11:00 AM	Human Anatomy and Physiology II
17/10/23	10:00-11:00 AM	Pharmaceutical organic Chemistry-I
18/10/23	10:00-11:00 AM	Biochemistry
19/10/23	10:00-11:00 AM	Pathophysiology
20/10/23	10:00-11:00 AM	Computer Applications
21/10/23	10:00-11:00 AM	Environmental Sciences

I Sessional Practical Time Table for B Pharm II Sem (OCT 2023)

Date	Subject	Batch	Time
16/10/23 Monday	Human Anatomy and Physiology I	B-I	1:30-4:00 PM
	Pharmaceutical organic Chemistry-II	B-II	1:30-4:00 PM
	Biochemistry -III	B-III	1:30-4:00 PM
19/10/23 Thursday	Human Anatomy and Physiology II	B-II	1:30-4:00 PM
	Pharmaceutical organic Chemistry-III	B-III	1:30-4:00 PM
	Biochemistry --I	B-I	1:30-4:00 PM
20/10/23 Friday	Human Anatomy and Physiology III	B-III	1:30-4:00 PM
	Pharmaceutical organic Chemistry-I	B-I	1:30-4:00 PM
	Biochemistry -II	B-II	1:30-4:00 PM

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II-SESSIONAL TIMETABLE FOR III SEM M. PHARM (MAY 2023)

Date	time	subject
08/05/2022	10.00-11.00am	Research Methodology

II-SESSIONAL TIMETABLE FOR I SEM M. PHARM Pharmacology (May 2023)

Date	Time	Subject
09/05/2022	10:00-11:00 am	Modern Pharmaceutical Analysis
11/05/2022	02:00-3:00 Pm	Advance Pharmacology-I
12/05/2022	10:00-11:00 am	Pharmacological and Toxicological screening methods-I
13/05/2022	10:00-11:00 am	Cell and Molecular Pharmacology

II-SESSIONAL TIMETABLE FOR I SEM M. PHARM Pharmacology Practical (MAY 2023)

Date	Subject	Batch	Time
08/05/2022 Monday	Pharmacology - I	B-I	9:00-4:00 PM
11/05/2022 Thursday	Modern Pharmaceutical Analysis	B-I	9:00-12:00 PM

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II-SESSIONAL TIMETABLE FOR I SEM M. PHARM Pharmaceutics

(MAY 2023)

Date	Time	Subject
09/05/2022	10:00-11:00 am	Modren Pharmaceutical Analysis
11/05/2022	02:00-3:00 Pm	MDDS
12/05/2022	10:00-11:00 am	Modren Pharmaceutics
13/05/2022	10:00-11:00 am	Regulatory affairs

II-SESSIONAL TIMETABLE FOR I SEM M. PHARM Pharmaceutics Practical

(MAY 2023)

Date	Subject	Batch	Time
08/05/2022 Monday	Pharmaceutics	B-I	9:00-4:00 PM
11/05/2022 Thursday	Modern Pharmaceutical Analysis	B-I	9:00-12:00 PM

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I SESSIONAL TIMETABLE FOR III SEM M. PHARM (FEB2023)

Date	time	subject
1/3/23	10.00-11.00am	Research Methodology

I SESSIONAL TIMETABLE FOR I SEM M. PHARM PHARMACEUTICS (FEB2023)

Date	Time	Subject
27/2/23	9:00-4:00 pm	Pharmaceutics practical I
28/2/23	10.00-11am	Modern Pharmaceutical Analytical Techniques
1/3/23	9-12 pm	Modern Pharmaceutical Analytical Techniques practical
1/3/23	2:00-3:00 pm	Modified release drug delivery systems
2/3/23	10.00-11am	Modern Pharmaceutics
3/3/23	10.00-11am	Regulatory affairs

I SESSIONAL TIMETABLE FOR M PHARM I SEM PHARMACOLOGY (FEB 2023)

Date	Time	Subject
27/2/23	9:00-4:00 pm	Pharmacology practical I
28/2/23	10.00-11am	Modern Pharmaceutical Analytical Techniques
1/3/23	9-12 pm	Modern Pharmaceutical Analytical Techniques practical
1/3/23	2:00-3:00 pm	Advanced Pharmacology-I
2/3/23	10.00-11am	Pharmacological and Toxicological Screening Methods-I
3/3/23	10.00-11am	Cellular and Molecular Pharmacology

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I SESSIONAL TIME TABLE FOR II PHARM D (March 2023)

Date	Time	Subject
20/3/23	2.00-3:30am	Pathophysiology
21/3/23	2.00-3:30am	Pharmaceutical Microbiology
23/3/23	2.00-3:30am	Pharmacognosy and Phytopharmaceuticals
24/3/23	2.00-3:30am	Pharmacology I
25/3/23	10:00-11:30am	Community Pharmacy
27/3/23	2.00-3:30am	Pharmacotherapeutics I

I Sessional Practical Time Table for II Pharm D

Date	Subject	Batch	Time
27/3/23	Pharmacotherapeutics I	I	9:00-12:00 PM
29/3/23	Pharmaceutical Microbiology	I	1:30-4:00 PM
30/3/23	Pharmacognosy & Phytopharmaceuticals	I	9:00-12:00 PM

28/3/23 as usual classes will be there

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II SESSIONAL TIME TABLE FOR II PHARM D (JUNE 2023)

Date	Time	Subject
26/6/23	2.00-3:30am	Pathophysiology
27/6/23	2.00-3:30am	Pharmaceutical Microbiology
28/6/23	2.00-3:30am	Pharmacognosy and Phytopharmaceuticals
30/6/23	2.00-3:30am	Pharmacology I
1/7/23	10:00-11:30am	Community Pharmacy
4/7/23	10:00-11:30am	Pharmacotherapeutics I

II Sessional Practical Time Table for II Pharm D

Date	Subject	Batch	Time
3/7/23	Pharmacotherapeutics I	I	9:00-12:00 PM
5/7/23	Pharmaceutical Microbiology	I	1:30-4:00 PM
6/7/23	Pharmacognosy & Phytopharmaceuticals	I	9:00-12:00 PM

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III SESSIONAL TIME TABLE FOR II PHARM D (SEP 2023)

Date	Time	Subject
4/10/23	2.00-3:30am	Pathophysiology
5/10/23	10:00-11:30am	Pharmaceutical Microbiology
27/9/23	2.00-3:30am	Pharmacognosy and Phytopharmaceuticals
6/10/23	2.00-3:30am	Pharmacology I
30/9/23	10:00-11:30am	Community Pharmacy
3/10/23	2.00-3:30am	Pharmacotherapeutics I

III Sessional Practical Time Table for II Pharm D

Date	Subject	Batch	Time
30/9/23	Pharmacotherapeutics I	I	9:00-12:00 PM
5/10/23	Pharmacognosy & Phytopharmaceuticals	I	1:30-4:00 PM
27/9/23	Pharmaceutical Microbiology	I	1:30-4:00 PM

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B. PHARM RS6 SEMESTER - II

I SESSIONAL EXAM 2022-2023

Date of Exam: 29/08/23

SUBJECT CODE:	BP202T	TOTAL MARKS	30
SUBJECT NAME:	PHARMACEUTICAL ORGANIC CHEMISTRY I	EXAM Hrs.	1 hour 2:00-3:00 pm

COURSE OBJECTIVE: The Objective of this course is to

- Educate students to have sound knowledge in pharmaceutical sciences and to attain skills required in pharmacy profession.
- To afford students with proficiency of technical skills in various area of subjects in pharmaceutical sciences and enabling them to fulfill the requirements of Pharmaceutical Industries, Community and Hospital Pharmacy and also to pursue higher studies.
- To provide up to date knowledge in theory and practical and relevant training to students about the subjects of Pharmaceutical formulation & development, Pharmaceutical chemistry, Drug regulatory affairs, Pharmacology of drugs, drug analytical methods, drugs of natural origins.

I LONG ESSAYS (ANSWER ANY ONE) 1X10 = 10 MARKS	Marks	CO-PO-PSO #	Bloom's Taxonomy Level *
1. Define the kinetics, mechanism and stereochemistry and reactivity of SN2 reactions.	10	CO (3), PO(1)	L1
2. Write the kinetics and mechanism of E ₂ reaction.	10	CO (3), PO(1)	L1
II SHORT ESSAYS 2X5 = 10 MARKS			
3. Explain the mechanisms of Markownikov's and Anti-markovnikov's addition reaction (OR) Discuss the mechanism of 1,2 & 1,4 addition reaction with examples.	5	CO (2), PO (1,3,4)	L1
4. Write any four methods of preparation of alkanes and alkenes	5	CO (2), PO (1,3,4)	L1
III SHORT ANSWERS (ANSWER ALL) 5X2 = 10 MARKS			
5. What is positional isomerism? Give examples	2	CO (1), PO (1,4)	L1
6. Write the structure of 1,3-Butadiene and Isopropyl alcohol	2	CO (1), PO (1,4)	L1
7. Write any two preparation of alkyl halide.	2	CO (2), PO (1,3,4)	L1
8. Define metamerism with example.	2	CO (1), PO (1,4)	L1
9. What is Saytzeff rule.	2	CO (2), PO (1,3,4)	L1

{e.g. CO(1), PO (1-3,8,11), PSO (1,2)} * (e.g.L1, L2) Note:Bloom's taxonomy has 6 levels which are: L1 Remembering (Knowledge), L2 Understanding (Comprehension), L3 Applying, L4 Analyzing, L5 Evaluating and L6 Creating

COURSE OUTCOMES

- CO1 To write the structure, name and the type of isomerism of the organic compound
 CO2 To write the reaction, name the reaction and orientation of reactions
 CO3 To account for reactivity/stability of compounds,
 CO4 To identify/confirm the identification of organic compound

CO-PO-PSO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	1	-	1	1	-	-	-	-	-	-	-	-	-	1
CO2	1	-	1	3	-	-	-	-	-	-	-	-	-	1
CO3	1	-	2	2	-	-	-	-	-	-	-	-	-	3
CO4	1	-	-	1	-	-	-	-	-	-	-	-	-	1



Course: II Sem B Pharm

Student Name:

Subject: Pharmaceutical Organic Chemistry-I

Staff In-charge: Mrs Chanda Ranjan

S.No	TOPIC	Class Test [10]	Home Assign [10]	Viva [10]	Sign
I SESSIONAL					
1.	Classification, nomenclature and isomerism				
2.	Alkanes*, Alkenes* and Conjugated dienes*				
3	Alkyl halides*				
	Total				
	Average (allotted for Theory)	Class test [3]	Home assign [3]	Attendance [4]	Total [10]
	Average (obtained for Theory)				
	Average (allotted for Practical)	Viva [1.5]	Record [1.5]	Attendance [2]	Total [5]
	Average (obtained for Practical)				
II SESSIONAL					
4	Alcohols*				
5	Carbonyl compounds* (Aldehydes and ketones)				
6	Carboxylic acids*, Aliphatic amines*				
	Total				
	Average (allotted for Theory)	Class test [3]	Home assign [3]	Attendance [4]	Total [10]
	Average (obtained for Theory)				
	Average (allotted for Practical)	Viva [1.5]	Record [1.5]	Attendance [2]	Total [5]
	Average (obtained for Practical)				

Signature of subject In-charge

Signature of Mentor

Signature of H.O.D



Course: II Sem B Pharm
Subject: Pharmaceutical Organic Chemistry-I
Staff In-charge: Mrs Chanda Ranjan

Student Name: A Akhil Reddy

S.N o	TOPIC	Class Test [10]	Home Assign [10]	Viva [10]	Sign
I SESSIONAL					
1.	Classification, nomenclature and isomerism	4/8/23 9	23/8/23 10	23/8/23 05	}
2.	Alkanes*, Alkenes* and Conjugated dienes*	11/8/23 9	23/8/23 10	/	
3.	Alkyl halides*	18/8/23 9	23/8/23 10	/	
	Total	27	30	08	} 4
	Average (allotted for Theory)	Class test [3]	Home assign [3]	Attendance 77% [4]	Total [10]
	Average (obtained for Theory)	2.7	3.0	0	5.7
	Average (allotted for Practical)	Viva [1.5]	Record [1.5]	Attendance 75% [2]	Total [5]
	Average (obtained for Practical)	1.2	1.5	0	2.7
II SESSIONAL					
4.	Alcohols*	1/9/23 8	4/10/23 10	22/9/23 08	}
5.	Carbonyl compounds* (Aldehydes and ketones)	22/9/23 9	4/10/23 10	/	
6.	Carboxylic acids*, Aliphatic amines*	29/9/23 9	4/10/23 10	/	
	Total	26	30		} 4
	Average (allotted for Theory)	Class test [3]	Home assign [3]	Attendance 90% [4]	Total [10]
	Average (obtained for Theory)	2.6	3.0	8	8.6
	Average (allotted for Practical)	Viva [1.5]	Record [1.5]	Attendance 100% [2]	Total [5]
	Average (obtained for Practical)	1.2	1.5	2	4.7

Signature of subject In-charge

Signature of Mentor

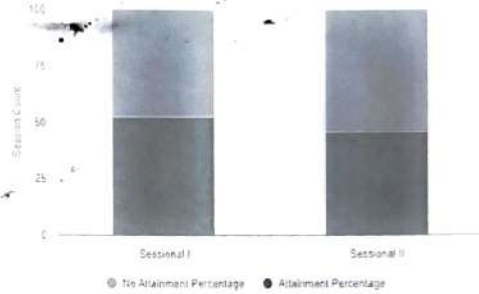
Signature of H.O.D

CO Attainment

BP2021-CO1

Evaluation Type	Attainment Level	Actual Average (%)
Session I	1.52	53.09
Session II	1.28	46.15
Average CO Attainment	1.40	49.64

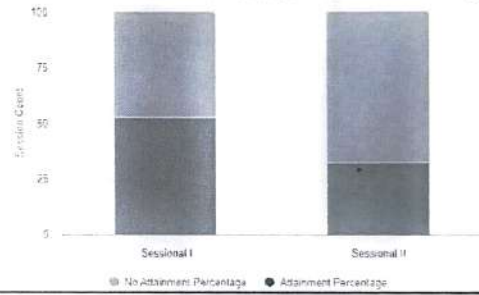
Attainment of BP2021-CO1



BP2021-CO2

Evaluation Type	Attainment Level	Actual Average (%)
Session I	1.30	52.91
Session II	0.23	20.72
Average CO Attainment	0.77	42.84

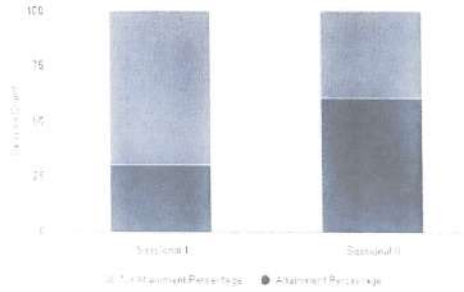
Attainment of BP2021-CO2



BP2021-CO3

Evaluation Type	Attainment Level	Actual Average (%)
Session I	0.20	20.43
Session II	1.64	60.66
Average CO Attainment	1.02	45.71

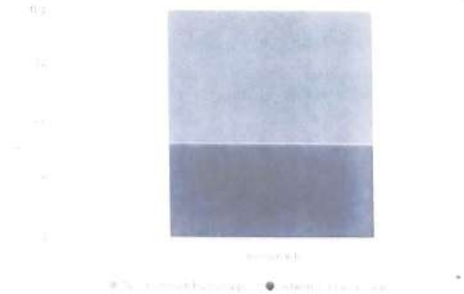
Attainment of BP2021-CO3



BP2021-CO4

Evaluation Type	Attainment Level	Actual Average (%)
Session I	1.76	41.26
Average CO Attainment	1.49	41.36

Attainment of BP2021-CO4





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M. PHARM (PHARMACOLOGY) RS5 – II SEMESTER SESSIONAL EXAM (Internal Assessment)- I

Date of Exam : 29/08/2023

SUBJECT CODE:	MPL201T	TOTAL MARKS	30
SUBJECT NAME:	Advanced Pharmacology-II	EXAM HRS.	1 hour 10:00 to 11:00 AM

COURSE OBJECTIVE: The Objective of this course is to

- Produce postgraduates with advanced knowledge and understanding of pharmacology; higher order critical, analytical, problem solving and transferable skills.
- Uphold all laws, regulations, safety and ethical standards that apply to the experimental procedures in animals and the environment as well as to impart adequate hands-on training in various animal models and determine the effects of drugs using animal models
- Provide practical inputs in pharmacokinetic studies of various drugs and formulations in animals to establish in-vitro and in-vivo correlations and prepare the students in teamwork, lifelong learning and continuous improvement.

LONG ESSAYS (ANSWER ALL THE QUESTIONS) 4X7.5 = 30 MARKS	Marks	CO-PO-PSO #	Bloom's Taxonomy Level *
1. Discuss the MOA and Pharmacological action of Growth Hormone.	7.5	CO (1), PO (1)	L2
2. Classify Oral Hypoglycemic drugs. Discuss the MOA, ADR and uses of Biguanides.	7.5	CO (1), PO (1)	L1
3. Classify Penicillin with examples. Write the mechanism of action and therapeutic uses of amoxicillin.	7.5	CO (2), PO (1,10)	L1
4. Classify antineoplastic agents with examples. Write the mechanism of action and adverse effects of Methotrexate.	7.5	CO (3), PO (1,3)	L2

{e.g. CO(1), PO (1-3,8,11), PSO (1,2)} * (e.g.L1, L2) Note: Bloom's taxonomy has 6 levels which are: L1 Remembering (Knowledge), L2 Understanding (Comprehension), L3 Applying, L4 Analyzing, L5 Evaluating and L6 Creating

COURSE OUTCOMES

CO1	Understand Endocrine Pharmacology of drugs at cellular and molecular level
CO2	Discuss the pharmacotherapy of Antibiotics
CO3	Recognize the Pharmacotherapy of drug involved in autoimmune disease
CO4	Discuss GIT Pharmacology and application of Chronotherapy in various disease
CO5	Understand free radicals Pharmacology and its recent advancement in treatment.

CO-PO-PSO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	3	-	-	-	-	-	-	-	-	1	-	-	-	-
CO3	2	-	2	-	-	-	-	-	-	-	-	-	-	-
CO4	2	-	-	-	-	-	-	-	-	-	1	-	-	-
CO5	3	-	-	-	-	-	-	-	-	-	-	1	-	-



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M. PHARM (PHARMACOLOGY) RS5 – II SEMESTER

SESSIONAL EXAM (Internal Assessment)- II

Date of Exam : 27/10/2022

SUBJECT CODE:	MPL201T	TOTAL MARKS	30
SUBJECT NAME:	Advanced Pharmacology-II	EXAM HRS.	1 hour 10:00 to 11:00 AM

COURSE OBJECTIVE: The Objective of this course is to

- Produce postgraduates with advanced knowledge and understanding of pharmacology; higher order critical, analytical, problem solving and transferable skills.
- Uphold all laws, regulations, safety and ethical standards that apply to the experimental procedures in animals and the environment as well as to impart adequate hands-on training in various animal models and determine the effects of drugs using animal models
- Provide practical inputs in pharmacokinetic studies of various drugs and formulations in animals to establish in-vitro and in-vivo correlations and prepare the students in teamwork, lifelong learning and continuous improvement.

LONG ESSAYS (ANSWER ALL THE QUESTIONS) 4X7.5 = 30 MARKS	Marks	CO-PO-PSO #	Bloom's Taxonomy Level *
1. Describe the Pharmacotherapy of Asthma.	7.5	CO (3), PO (1,3)	L1
2. Classify immunosuppressant. Discuss the MOA and Pharmacological actions of any one Immunosuppressant.	7.5	CO (3), PO (1,3)	L1
3. Describe the role of free radicals in D.M and discuss the recent advances in the treatment of Diabetes.	7.5	CO (5), PO (1), PSO (1)	L2
4. Write the application of Chronotherapy of peptic ulcer.	7.5	CO (4), PO (1,11)	L3

/e.g. CO(1), PO (1-3,8,11), PSO (1,2) * (e.g.L1, L2) Note: Bloom's taxonomy has 6 levels which are: L1 Remembering (Knowledge), L2 Understanding (Comprehension), L3 Applying, L4 Analyzing, L5 Evaluating and L6 Creating

COURSE OUTCOMES

CO1	Understand Endocrine Pharmacology of drugs at cellular and molecular level
CO2	Discuss the pharmacotherapy of Antibiotics
CO3	Recognize the Pharmacotherapy of drug involved in autoimmune disease
CO4	Discuss GIT Pharmacology and application of Chronotherapy in various disease
CO5	Understand free radicals Pharmacology and its recent advancement in treatment.

CO-PO-PSO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	3	-	-	-	-	-	-	-	-	1	-	-	-	-
CO3	2	-	2	-	-	-	-	-	-	-	-	-	-	-
CO4	2	-	-	-	-	-	-	-	-	-	1	-	-	-
CO5	3	-	-	-	-	-	-	-	-	-	-	1	-	-



Course: M Pharm II Semester
Student name:

Subject: Advanced Pharmacology-II (MPL2011)
Staff In charge: Dr. Noopur Srivastava

S. No	Name of the Chapter	Class test Date/mark (10)	Assignment Date/mark (10)	Seminar Date / Mark (10)	Regular Practical Viva Date/mark (10)	Marks	Sign
I SESSIONAL							
1.	Endocrine Pharmacology						
2.	Chemotherapy						
3.	Chemotherapy & Immunopharmacology (Half Portion)						
		Total Marks (Out of 30)	Average (Out of 2marks)	Attendance (8 marks)	Total (10 marks)		
Total Marks obtained in theory							
		Total Marks (Out of 30)	Average (Out of 8.5 marks)	Attendance (4 marks)	Total (12.5 marks)		
Total Marks obtained in Assignment							
		Total Marks (Out of 30)	Average (Out of 8.5 marks)	Attendance (4 marks)	Total (12.5 marks)		
Total Marks obtained in Seminar							
		Record (2.0 marks)	Regular viva (2.0 marks)	Attendance (6 marks)	Total (10 marks)		
Total Marks obtained in practical of Pharmacology -II							
II SESSIONAL							
4.	Chemotherapy & Immunopharmacology (Half Portion)						
5.	GIT Pharmacology						
6.	Free radicals Pharmacology & Recent Advances in Treatment						
		Total Marks (Out of 30)	Average (Out of 2marks)	Attendance (8 marks)	Total (10 marks)		
Total Marks obtained in theory							
		Total Marks (Out of 30)	Average (Out of 8.5 marks)	Attendance (4 marks)	Total (12.5 marks)		
Total Marks obtained in Assignment							
		Total Marks (Out of 30)	Average (Out of 8.5 marks)	Attendance (4 marks)	Total (12.5 marks)		
Total Marks obtained in Seminar							
		Record (2.0 marks)	Regular viva (2.0 marks)	Attendance (6 marks)	Total (10 marks)		
Total Marks obtained in practical of Pharmacology -II							

Signature of Subject In-charge.

Signature of Mentor

Signature of H.O.D



Course: M Pharm II Semester
Student name: ANIL KUMAR R

Subject: Advanced Pharmacology-II (MPL2011)
Staff In charge: Dr. Noopur Srivastava

S. No	Name of the Chapter	Class test Date/mark (10)	Assignment Date/mark (10)	Seminar Date / Mark (10)	Regular Practical Viva Date/mark (10)	Marks	Sign
I SESSIONAL							
1.	Endocrine Pharmacology	27/07/23 8.5	13/07/23 8.0	21/07/23 8.5	24/07/23 8.5	33.5	RL
2.	Chemotherapy	17/08/23 8.0	10/08/23 8.5	04/08/23 8.0	31/07/23 8.5	33.0	RL
3.	Chemotherapy & Immunopharmacology (Half Portion)	24/08/23 7.5	21/08/23 8.0	18/08/23 8.5	07/08/23 8.0	32.0	RL
		Total Marks (Out of 30)	Average (Out of 2marks)		Attendance (8 marks)	Total (10 marks)	
Total Marks obtained in theory		24.0	1.6		8.0	9.6	
		Total Marks (Out of 30)	Average (Out of 8.5 marks)		Attendance (4 marks)	Total (12.5 marks)	
Total Marks obtained in Assignment		24.5	6.9		4.0	11.0	
		Total Marks (Out of 30)	Average (Out of 8.5 marks)		Attendance (4 marks)	Total (12.5 marks)	
Total Marks obtained in Seminar		25.0	7.1		4.0	11.1	
		Record (2.0 marks)	Regular viva (2.0 marks)		Attendance (6 marks)	Total (10 marks)	
Total Marks obtained in practical of Pharmacology -II		2.0	1.5		6.0	9.5	
II SESSIONAL							
4.	Chemotherapy & Immunopharmacology (Half Portion)	21/09/23 8.0	07/09/23 9.0	01/09/23 8.5	18/09/23 8.5	33.0	RL
5.	GIT Pharmacology	05/09/23 8.0	14/09/23 8.5	22/09/23 8.5	30/09/23 8.0	33.0	RL
6.	Free radicals Pharmacology & Recent Advances in Treatment	13/09/23 8.5	25/09/23 9.0	09/09/23 9.0	25/09/23 8.5	35.0	RL
		Total Marks (Out of 30)	Average (Out of 2marks)		Attendance (8 marks)	Total (10 marks)	
Total Marks obtained in theory		24.5	1.63		8.0	9.6	
		Total Marks (Out of 30)	Average (Out of 8.5 marks)		Attendance (4 marks)	Total (12.5 marks)	
Total Marks obtained in Assignment		26.5	7.8		4.0	11.8	
		Total Marks (Out of 30)	Average (Out of 8.5 marks)		Attendance (4 marks)	Total (12.5 marks)	
Total Marks obtained in Seminar		26.0	7.5		4.0	11.5	
		Record (2.0 marks)	Regular viva (2.0 marks)		Attendance (6 marks)	Total (10 marks)	
Total Marks obtained in practical of Pharmacology -II		2.0	1.5		6.0	9.5	

Signature of Subject In-charge.
DR. NOOPUR SRIVASTAVA

Signature of Mentor

Signature of H.O.D
DR. NOOPUR SRIVASTAVA

MPI 205P CO2

Evaluation Type

Attainment Level

Actual Average (%)



Average CO Attainment

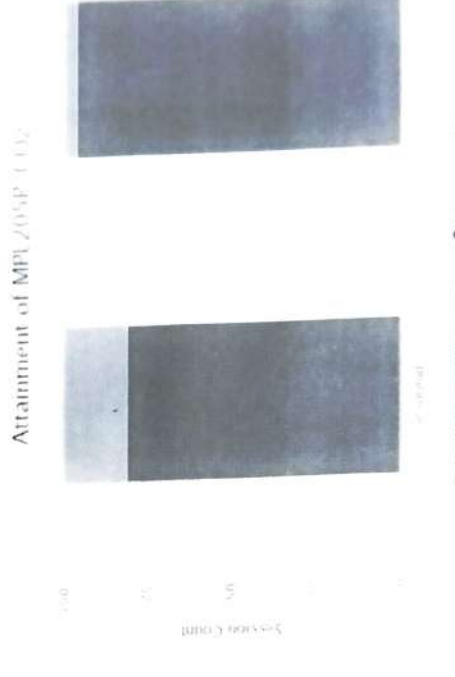
● No Attainment Percentage ● Attainment Percentage

MPI 205P CO2

Evaluation Type

Attainment Level

Actual Average (%)



Average CO Attainment

● No Attainment Percentage ● Attainment Percentage

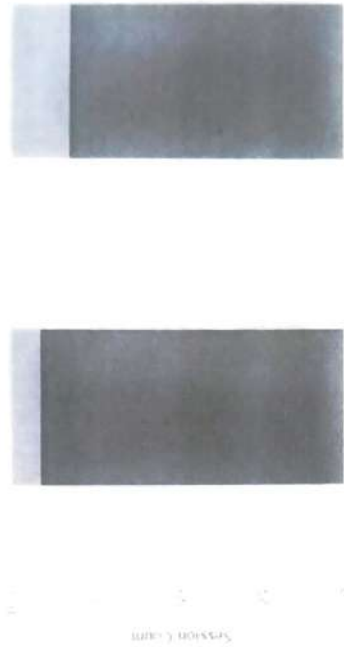
MPL205P-CO3

Evaluation Type

Attainment of MPL205P-CO3

Attainment Level	Actual Average (%)
3	92
3	83.33
3	87.66

Average CO Attainment



● No Attainment Percentage ● Attainment Percentage

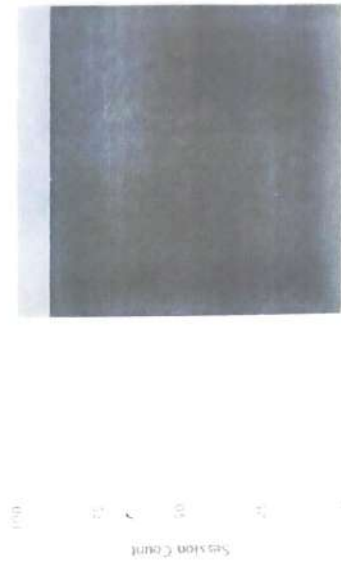
MPL205P-CO4

Evaluation Type

Attainment of MPL205P-CO4

Attainment Level	Actual Average (%)
3	90.32
3	90.32

Average CO Attainment



● No Attainment Percentage ● Attainment Percentage

Course Outcome Attainment %

CO1

Demonstrate the effect of drug on various animal tissue preparations

No Attainment: 0.0 %

Level One Attainment: 0.0 %

Level Two Attainment: 0.0 %



Level Three
Attainment: 100.0 %

CO2

Describe Pharmacokinetics

No Attainment: 0.0 %

Level One Attainment: 0.0 %

Level Two Attainment: 0.0 %



Level Three
Attainment: 100.0 %

CO3

Perform various preclinical toxicity studies

No Attainment: 0.0 %

Level One Attainment: 0.0 %

Level Two Attainment: 0.0 %



Level Three
Attainment: 100.0 %

CO4

No Attainment: 0.0 %

Level One Attainment: 0.0 %

Level Two Attainment: 0.0 %

CO5

Describe Pharmacodynamics

No Attainment: 0.0 %

Level One Attainment: 0.0 %

Level Two Attainment: 0.0 %



Level Three
Attainment: 100.0 %

Course Outcome Attainment Levels



Blooms Level-wise Attainment

Remembering



Level Three
Attainment: 100.0 %

Understanding



Level Three
Attainment: 87.5 %

Analyze



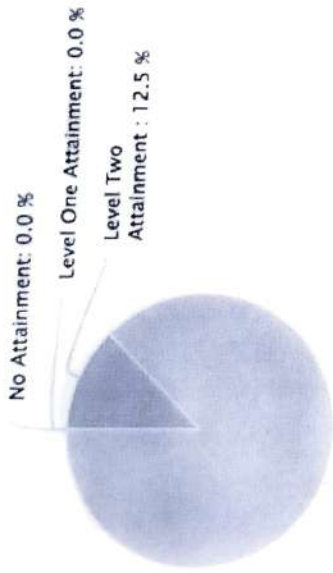
Level Three
Attainment: 87.5 %

Evaluate



Level Three
Attainment: 100.0 %

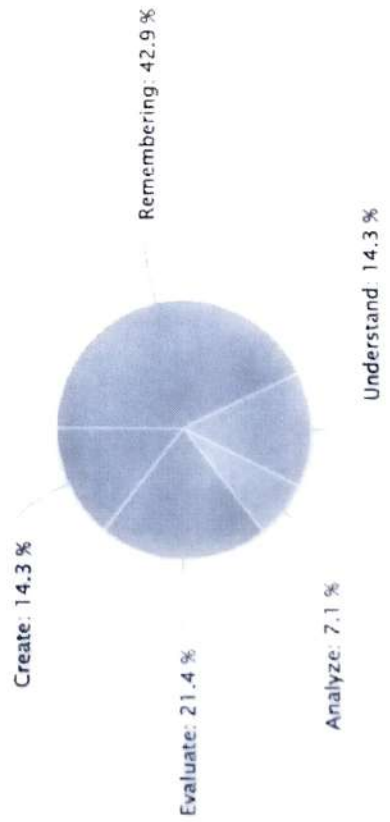
Create



Level Three
Attainment: 87.5 %

Health of Assessment

Evaluation Questions Marks Distribution for each Blooms Levels.





The Oxford College of Pharmacy, Hongasandra, Bengaluru- 560068

(RGUHS, Pharm D & Pharm D (Post Baccalaureate Revised Regulations 2008).

(Effective from 2012-2013)

PHARM D RS2 YEAR - II PHARMACOTHERAPEUTICS (Internal Assessment)- I SESSIONAL EXAM (Internal Assessment)- I Date of Exam : 27/03/2023			
SUBJECT CODE:	PHAD2B061b	TOTAL MARKS	30
SUBJECT CODE:	PHAD2B061b	TOTAL MARKS	30
SUBJECT NAME:	PHARMACOTHERAPEUTICS - I	EXAM Hrs.	02.00 to 03.30 PM

COURSE OBJECTIVE:

- the pathophysiology of selected disease states and the rationale for drug therapy;
- the therapeutic approach to management of these diseases;
- the controversies in drug therapy;
- the importance of preparation of individualised therapeutic plans based on diagnosis
- needs to identify the patient-specific parameters relevant in initiating drug therapy, and monitoring therapy (including alternatives, time-course of clinical and laboratory indices of therapeutic response and adverse effects)

I LONG ESSAYS (ANSWER ANY ONE) 1X10 = 10 MARKS	Marks	CO-PO #	Bloom's Taxonomy Level *
1. Discuss in detail the management of osteoporosis?	10	CO2, PO(1,2,3,4,6,7,9,10) PSO1,3	L1
2. Define and classify Diabetes mellitus ? discuss in detail about insulin in diabetic management ?	10	CO1,PO1,6,11 PSO1	L1
II SHORT ESSAYS (ANSWER ANY TWO) 2X5 = 10 MARKS			
3. Explain different pulmonary function test?	5	CO3 PO1,2,3,6,7,8,9,10 PSO1,3	L1
4. Explain treatment modalities of hypothyroidism ?	5	CO2, PO(1,2,3,4,6,7,9,10) PSO1,3	L1
5. Explain the principles of oral contraception ?	5	CO2, PO(1,2,3,4,6,7,9,10) PSO1,3	L1
III SHORT ANSWERS (ANSWER ALL) 5X2 = 10 MARKS			
6. Define HRT and its significance ?	2	CO2, PO(1,2,3,4,6,7,9,10) PSO1,3	L1
7. Define Hb1AC ?	2	CO3 PO1,2,3,6,7,8,9,10 PSO1,3	L1
8. Differentiate between emphysema and bronchitis?	2	CO2, PO(1,2,3,4,6,7,9,10) PSO1,3	L1
9. Enlist the various microvascular and macrovascular complication associated with DM ?	2	CO3 PO1,2,3,6,7,8,9,10 PSO1,3	L1
10. Define PEF and FEV1 ?	2	CO1,PO1,6,11 PSO1	L1

= {e.g. CO(1), PO (1-3,8,11)} * (e.g. L1, L2) **Note:** Bloom's taxonomy has 6 levels which are: L1 Remembering (Knowledge) , L2 Understanding (Comprehension), L3 Applying, L4 Analyzing, L5 Evaluating and L6 Creating

COURSE OUTCOMES

CO1: Impart knowledge and skills necessary for contribution to quality use of medicines

To study the etiopathogenesis of selected diseases

CO2: knowledge about the rationality of drug therapy and study the therapeutic approach in the management of diseases.

CO3: Understand controversies in drug therapy and preparation of the individualized therapeutic plan based on diagnosis.

CO4: Learn and apply patient specific parameters in initiating drug therapy and distinguish the management strategies of selected diseases in special populations.

CO5: Study in detail the concepts of essential drug concept and rational drug therapy

Assess drug safety monitoring, contraindications and treatment outcomes and modify treatment plan as needed.

CO-PO-PSO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	-	-	-	-	1	-	-	-	-	1	3	-	-
CO2	3	3	3	1	-	2	1	-	1	1	-	1	-	2
CO3	3	2	2	-	-	2	1	1	1	1	-	1	-	2
CO4	2	1	-	3	2	1	1	2	-	1	1	1	1	-
CO5	2	-	1	2	-	1	1	1	2	1	1	1	-	1



B. Pharm. D
SESSIONAL EXAM (Internal Assessment) - II
 Date of Exam: 04.07.2024

SUBJECT CODE	PHAD21B061b	TOTAL MARKS	30
SUBJECT NAME	PHARMACOTHERAPEUTICS I	EXAM Hrs.	10:00-11:30 AM

COURSE OBJECTIVE: The Objective of this course is to
 (The pathophysiology of disease states and the rationale for drug therapy. Therapeutic approach to management. Controversies in drug therapy. Individualized therapeutic plans based on diagnosis. Identify the patient-specific parameters relevant in special populations, therapy, and monitoring therapy. Explain the rationale for drug therapy. To summarize the therapeutic approach to management of these diseases. To discuss the controversies in drug therapy. Individualized therapeutic plans based on diagnosis.

I LONG ESSAYS (ANSWER ANYONE) 1X10 = 10 MARKS	Marks	CO-PO-PSO #	Bloom's Taxonomy Level*
1. Explain in detail etiopathogenesis and pharmacotherapy of congestive cardiac failure	10	CO1, PO 1,6,11, PSO1	L2
2. Define myocardial infarction. Explain the etiopathogenesis, risk factors, treatment objectives, therapeutic management of acute MI	10	CO2, PO(1,2,3,4,6,7,9,10) PSO 1,3	L2
II SHORT ESSAYS (ANSWER ANY TWO) 2X5 = 10 MARKS			
3. Explain the role of class I anti arrhythmic agents	5	CO2, PO 1-4,6,7,9,10, PSO1	L1
4. Explain Renin-angiotensin-aldosterone system.	5	CO1, PO 1,6,11, PSO1	L2
5. Explain pharmacotherapy of Hyperlipidemia?	5	CO2, PO1-3, 4,6-10, PSO1, 3	L1
III SHORT ANSWERS (ANSWER ALL) 5X2 = 10 MARKS			
6. Define hypertensive urgency and hypertensive emergency	2	CO1, PO 1,6,11, PSO1	L1
7. Draw a neat labeled diagram of ECG. Enlist various intervals and what they represent?	2	CO3, PO(1,2,3,6,7,8,9,10) PSO1,3	L2
8. Mention any 4 fibrinolytic agents with MOA	2	CO2, PO1-3, 4,6-10, PSO1, 3	L1
9. Write the MOA of nitrates and list out its adverse effects	2	CO2, PO1-3, 4,6-10, PSO1, 3	L1
10. Mention the importance of lactate dehydrogenase and troponins	2	CO3, PO(1,2,3,6,7,8,9,10) PSO1,3	L1

* [e.g., CO(1), PO (1-3,8,11), PSO (1,2)] * (e.g.L1, L2) **Note:** Bloom's taxonomy has 6 levels which are: L1 Remembering (Knowledge), L2 Understanding (Comprehension), L3 Applying, L4 Analyzing, L5 Evaluating and L6 Creating

COURSE OUTCOMES

CO	DESCRIPTION
CO1	Impart knowledge and skills necessary for contribution to quality use of medicines To study the etiopathogenesis of selected diseases
CO2	Knowledge about the rationality of drug therapy and study the therapeutic approach in the management of diseases.
CO3	Understand controversies in drug therapy and preparation of the individualized therapeutic plan based on diagnosis.
CO4	Learn and apply patient specific parameters in initiating drug therapy and distinguish the management strategies of selected diseases in special populations.
CO5	Study in detail the concepts of essential drug concept and rational drug therapy Assess drug safety monitoring, contraindications and treatment outcomes and modify treatment plan as needed

CO-PO-MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	-	-	-	-	1	-	-	-	-	1	3	-	-
CO2	3	3	3	1	-	2	1	-	1	1	-	1	-	2
CO3	3	2	2	-	-	2	1	1	1	1	-	1	-	2
CO4	2	1	-	3	2	1	1	2	-	1	1	1	1	-
CO5	2	-	1	2	-	1	1	1	2	1	1	1	-	1



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(R.G.U.H.S., Pharm D & Pharm D (Post Baccalaureate Revised Regulations 2008)

(Effective from 2012-2013)

PHARM.DRS2 - YEAR - II

SESSIONAL EXAM (Internal Assessment)- III

Date of Exam - 03/10/2023

SUBJECT CODE	PHAD2B061b	TOTAL MARKS	30
SUBJECT NAME	PHARMACOTHERAPEUTICS - I	EXAM Hrs.	02:00-03:30 PM

COURSE OBJECTIVE: The Objective of this course is to

- Educate students to have sound knowledge and to impart skills necessary for contribution to quality use of medicines, pathophysiology and therapeutics of various diseases. To enable the student to understand the pathophysiology of common diseases and their management in pharmaceutical sciences and to attain skills required in pharmacy profession.
- To afford students with proficiency of technical skills in various area of subjects in pharmaceutical sciences and enabling them to fulfill the requirements of Community and Hospital Pharmacy, Pharmacovigilance, Clinical research and also to pursue higher studies
- To provide up to date knowledge in theory and practical and relevant training to students about the subjects of Pharmacotherapeutics, Pathophysiology, Pharmaceutical formulations, Pharmaceutical chemistry, Drug regulatory affairs, Pharmacology of drugs, drug analytical methods, drugs of natural origins

I LONG ESSAYS (ANSWER ANY ONE) 1X10 = 10 MARKS	Marks	CO-PO #	Bloom's Taxonomy Level
1 Explain General Prescribing Guideline For Paediatric Patients	10	CO4, PO(1,2,4,5,6,7,8,10, 11)PSO1,2	L1
2 Define Glaucoma, Types Of Glaucoma And Write Clinical Presentation, Pathophysiology And Management Of Closed Angle Glaucoma	10	CO1, PO(1,6,11) PSO1	L1
ii Short Essays (Answer Any Two) 2x5 = 10 Marks			
3 WHO'S interventions/ guidelines for promoting rational use of drugs	5	CO5, PO(1,3,4,6,7,8,9,10, 11)PSO1,3	L1
4 Narrate General Prescribing Guidelines In Lactating Mothers	5	CO4, PO(1,2,4,5,6,7,8,10, 11)PSO1,2	L1
5 Discuss Treatment Options For Viral Conjunctivitis	5	CO1, PO(1,6,11) PSO1	L1
iii Short Answers (Answer All) 5x2 = 10 Marks			
6 Define Pregnancy Categories Of Drugs.	2	CO4, PO(1,2,4,5,6,7,8,10, 11)PSO1,2	L1
7 Define Rational Drug Use And List Out The Objectives	2	CO5, PO(1,3,4,6,7,8,9,10, 11)PSO1,3	L1
8 Why Geriatric Population Are More Susceptible For ADR?	2	CO4, PO(1,2,4,5,6,7,8,10, 11)PSO1,2	L1
9 Differentiate Between Bacterial And Viral Conjunctivitis?	2	CO1, PO(1,6,11) PSO1	L1
10 Define IOP With Normal Values	2	CO1, PO(1,6,11) PSO1	L1

* [e.g. CO(1), PO (1-3,8,11)] * (e.g. L1, L2) Note: Bloom's taxonomy has 6 levels which are: L1 Remembering (Knowledge), L2 Understanding (Comprehension), L3 Applying, L4 Analyzing, L5 Evaluating and L6 Creating

COURSE OUTCOMES

CO1: Impart knowledge and skills necessary for contribution to quality use of medicines

To study the etopathogenesis of selected diseases

CO2: knowledge about the rationality of drug therapy and study the therapeutic approach in the management of diseases

CO3: Understand controversies in drug therapy and preparation of the individualized therapeutic plan based on diagnosis

CO4: Learn and apply patient specific parameters in initiating drug therapy and distinguish the management strategies of selected diseases in special populations

CO5: Study in detail the concepts of essential drug concept and rational drug therapy

Assess drug safety monitoring, contraindications and treatment outcomes and modify treatment plan as needed

CO-PO-PSO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	-	-	-	-	1	-	-	-	-	1	3	-	-
CO2	3	3	3	1	-	2	1	-	1	1	-	1	-	2
CO3	3	2	2	-	-	2	1	1	1	1	-	1	-	3
CO4	2	1	-	3	2	1	1	2	-	1	1	1	1	-
CO5	2	-	1	2	-	1	1	1	2	1	1	1	-	1



Student Name -
Course: II Pharm D

Reg No -

Subject: PCTH I
Staff In-Charge: Dr SRIPRIYA

SL. NO	NAME OF TOPIC	TEST DATE & MARK (10)	ASSIGN DATE & MARK (10)	VIVA DATE & MARK (10)	MARKS	SIGN
I SESSIONAL						
1.	Thyroid disorder , osteoporosis					
2.	Diabetes mellitus, oral contraceptives, hormonal replacement					
3.	RESPIRATORY SYSTEM-Asthma, COPD, drug induced pulmonary disease					
TOTAL MARKS (OUT OF 80)						
AVERAGE (OUT OF 4 MARKS)						
II SESSIONAL						
4.	Cardiovascular system – Hypertension, CHF					
5.	Angina pectoris, Myocardial infarction,Hyperlipidemia					
6.	Electrophysiology of heart, cardiac arrhythmias					
TOTAL MARKS (OUT OF 80)						
AVERAGE (OUT OF 4 MARKS)						
III SESSIONAL						
7.	General prescribing guidelines for paediatric patients, geriatric patients pregnancy and breast feeding					
8.	Ophthalmology – glaucoma , conjunctivitis					
9.	Introduction to rational drug use					
TOTAL MARKS (OUT OF 80)						
AVERAGE (OUT OF 4 MARKS)						
AVERAGE (3 SESSIONAL)						

SCORE WILL BE INCLUDED IN PRACTICAL SESSIONAL MARKS

SIGNATURE OF
SUBJECT IN-CHARGE

SIGNATURE OF MENTOR

SIGNATURE OF H.O.D

Student Name: Arushi nair
Course: II Pharm D

Reg No - 2190576

Subject: PCPTH I
Staff In-Charge: DR SRIERTYA

SL NO	NAME OF TOPIC	TEST DATE & MARK (10)	ASSIGN DATE & MARK (10)	VIVA DATE & MARK (10)	MARKS	SIGN
I SESSIONAL						
1.	Thyroid disorder, osteoporosis	11/1/23 9	25/1/23 9	28/12/22 9	4/1/23 A	27
2.	Diabetes mellitus, oral contraceptives, hormonal replacement	15/2/23 A		8/2/23 9	9	
3.	RESPIRATORY SYSTEM-Asthma, COPD, drug induced pulmonary disease	1/3/23 9		15/3/23 9	18	
TOTAL MARKS (OUT OF 80)					54	
AVERAGE (OUT OF 4 MARKS)					2.7	<i>(Signature)</i>
II SESSIONAL						
4.	Cardiovascular system - Hypertension, CHF	10/4/23 8.5	17/4/23 A	24/4/23 8	16.5	
5.	Angina pectoris, Myocardial infarction, Hyperlipidemia	5/6/23 8.5	29/5/23 9	22/5/23 A	17.5	
6.	Electrophysiology of heart, cardiac arrhythmias	19/6/23 9		12/6/23 8	17	
TOTAL MARKS (OUT OF 80)					51	
AVERAGE (OUT OF 4 MARKS)					2.55	<i>(Signature)</i>
III SESSIONAL						
7.	General prescribing guidelines for paediatric patients, geriatric patients pregnancy and breast feeding	17/7 9	7/8 9	24/7/23 A	21/8/23 8	26
8.	Ophthalmology - glaucoma, conjunctivitis			11/9/23 9		9
9.	Introduction to rational drug use			14/8/23 9		9
TOTAL MARKS (OUT OF 80)					44	
AVERAGE (OUT OF 4 MARKS)					2.93	
AVERAGE (3 SESSIONAL)					2.7	<i>(Signature)</i>

SCORE WILL BE INCLUDED IN PRACTICAL SESSIONAL MARKS

(Signature)
SIGNATURE OF SUBJECT IN-CHARGE

(Signature)
SIGNATURE OF MENTOR

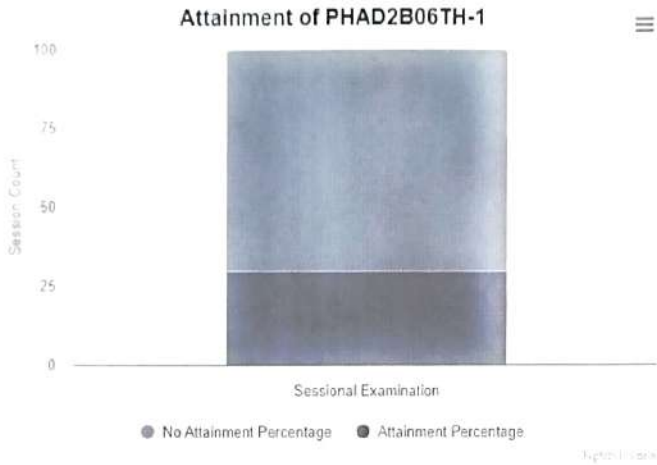
(Signature)
SIGNATURE OF H.O.D

CO PO ATTAINMENT

PCTH 1 THEORY - 2ND PHARM D

PHAD2B06TH-1

Evaluation Type	Attainment Level	Actual Average (%)
Sessional Examination	0.26	29.91
Average CO Attainment	0.26	29.91



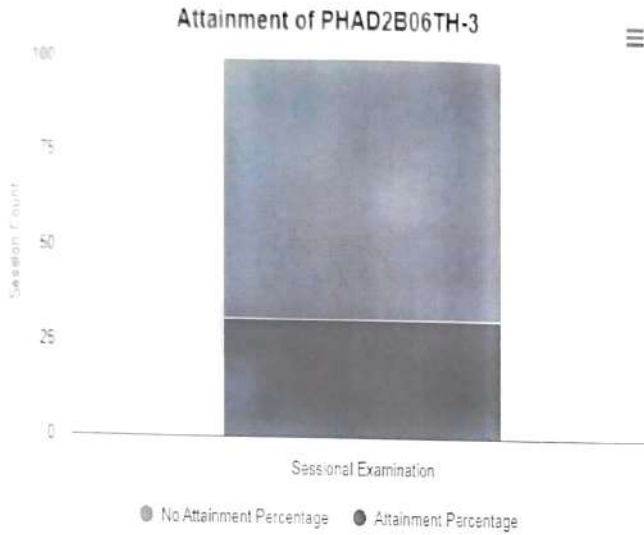
PHAD2B06TH-2

Evaluation Type	Attainment Level	Actual Average (%)
Sessional Examination	0.26	37.17
Average CO Attainment	0.26	37.17



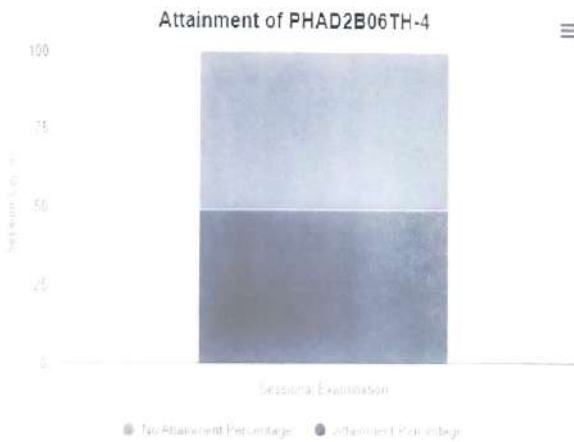
PHAD2B06TH-3

Evaluation Type	Attainment Level	Actual Average (%)
Sessional Examination	0.13	31.28
Average CO Attainment	0.13	31.28



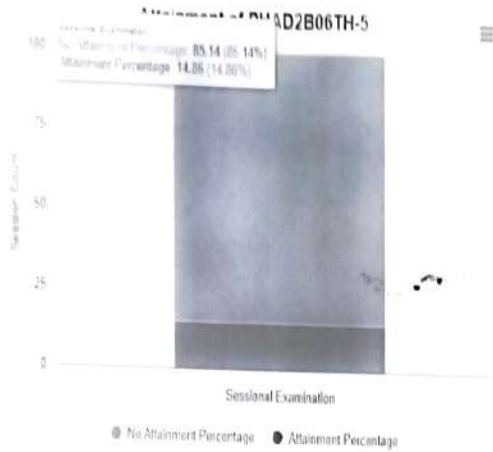
PHAD2B06TH-4

Evaluation Type	Attainment Level	Actual Average (%)
Sessional Examination	1.00	49.28
Average CO Attainment	1.00	49.28



PHAD2B06TH-5

Evaluation Type	Attainment Level	Actual Average (%)
Sessional Examination	0.04	14.86
Average CO Attainment	0.04	14.86



PCTH 1 PRACTICAL

PHAD2B06PR-1

Evaluation Type	Attainment Level	Actual Average (%)
Sessional Examination	1.13	47.92
Average CO Attainment	1.13	47.92

