

Hon. Shri. Babanrao Pachpute Vichardhara Trust's

PARIKRAMA GROUP OF INSTITUTIONS

Faculty of Pharmacy

A/P : Kashti, Tal-Shrigonda Dist-Ahmednagar- 414701

COURSE RECORD BOOK



parikrama
Revolution in Education

Year : 2021-2022

Course Code

Program Name : B. Pharmacy

Class : Second Year

Semester / Year : IVth semester (2021-22)

Course : Pharmacology - I

Name of Teaching Staff : Prof. Darekar Shrikant Mahadev

Department : Pharmacology

INSTRUCTIONS

1. Attendance record is an important document and utmost care should be taken while making entries, there should be no overwriting, disfiguring, incompleteness, any corrections, if made should be individually initialled / signed.
2. Attendance should be marked in the relevant column for noting the date and the period.
3. The topics covered in each class should be recorded in the attendance sheet.
4. The register should be submitted to the Academic Incharge / Heads of Department whenever the staff member goes on long leaves.
5. At the end of the semester/ Year, the percentage attendance for each student should be worked out and entered in the relevant column. The register should be submitted to academic incharge along with attendance report of the Semester/Year.
6. Assigned authority will prepare the consolidated report of each class at the end of the Semester /year.
7. The Course Faculty during semester/Year and Academic Incharge, there after will be responsible for the safe custody of the register and for submitting it to the authorities whenever required.
8. After checking and endorsing the entries, the academic incharge should forward, the attendance record to the Principal.

PRINCIPAL

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Hon. Shri. Babanrao Pachpute Vichardhara Trust's

PARIKRAMA GROUP OF INSTITUTIONS

A/P : Kashti, Tal-Shrigonda Dist-Ahmednagar- 414701

Academic Year : 2021 - 2022

Class : Second Year



Semester / Year : fourth semester

Course : Pharmacology - I

Course Code : BP404T

Date of Commencement of the Semester / Year : 07/02/2022

Date of Conclusion of the Semester / Year : 25/05/2022

Faculty	Course Faculty	Academic Incharge /HOD	Principal
Signature			
Name	Prof. Dorekar Shrikant M.		Dr. Nirmal Sunil A.

1. ACADEMIC CALENDAR

HON. SHRI. BABANRAO PACHPUTE VICHARDHARA TRUST GROUP OF INSTITUTIONS FACULTY OF PHARMACY
ACADEMIC CALENDAR FOR SY, TY & FINAL YEAR B. PHARMACY AY 2021-22

FIRST TERM								
Aug-21	Mon	Tue	Wed	Thur	Fri	Sat	Sun	Events
		2	3	4	5	6	7	
	9	10	11	12	13	14		
	16	17	18	19	20	21		Academics
	23	24	25	26	27	28		Academics
	30							Academics
Sep-21	Mon	Tue	Wed	Thur	Fri	Sat	Sun	Events
			1	2	3	4		Academics
	6	7	8	9	10	11		Academics
	14	15	16	17	18	19		Academics
	21	22	23	24	25	26		Academics
	28	29	30					Academics
Oct-21	Mon	Tue	Wed	Thur	Fri	Sat	Sun	Events
						1	2	Academics
	4	5	6	7	8	9		First CA
	11	12	13	14	15	16		Academics
	18	19	20	21	22	23		Academics
	25	26	27	28	29	30		First Sessional Th & Pr
Nov-21	Mon	Tue	Wed	Thur	Fri	Sat	Sun	Events
		1	2					Diwali
			9	10	11	12	13	Academics
	15	16	17	18	19	20		Academics
	22	23	24	25	26	27		Academics
	29	30						Academics
Dec-21	Mon	Tue	Wed	Thur	Fri	Sat	Sun	Events
			1	2	3	4		Academics
	6	7	8	9	10	11		Second CA
	13	14	15	16	17	18		Second Sessional Th & Pr
	20	21	22	23	24	25		Academics
	27	28	29	30	31			Uni pract exams SY, TY, Final B
SECOND TERM								
Jan-22	Mon	Tue	Wed	Thur	Fri	Sat	Sun	Events
							1	
		3	4	5	6	7	8	Academics
		10	11	12	13	14	15	Academics
		17	18	19	20	21	22	Academics
		24	25	26	27	28	29	Academics
		31						
Feb-22	Mon	Tue	Wed	Thur	Fri	Sat	Sun	Events
		1	2	3	4	5		Academics
		7	8	9	10	11	12	Academics
		14	15	16	17	18	19	Uni Th Exam TYB & Final B Odd Sem
		22	23	24	25	26		Uni Th Exam SYB - Odd Sem
		28						
Mar-22	Mon	Tue	Wed	Thur	Fri	Sat	Sun	Events
			1	2	3	4	5	Academics
		7	8	9	10	11	12	Academics
		14	15	16	17	18	19	First Sessional Th, Pr & CA1
		21	22	23	24	25	26	Academics
		28	29	30	31			Academics
Apr-22	Mon	Tue	Wed	Thur	Fri	Sat	Sun	Events
						1		Academics
		4	5	6	7	8	9	Academics
		11	12	13	14	15	16	Academics
		18	19	20	21	22	23	Academics
		25	26	27	28	29	30	Second Sessional Th, Pr & CA2
May-22	Mon	Tue	Wed	Thur	Fri	Sat	Sun	Events
		2		4	5	6	7	Academics
		9	10	11	12	13	14	Academics
		16	17	18	19	20	21	University Th Exam
		23	24	25	26	27	28	University Pr Exam
		30	31					

K.M. Yashwanth
Ms. Jamdhale
Class IC

Prof. Darekar
Acad IC

Dr. Zaware
Int Exam IC

Prof. Darekar
CEO

Dr. Nirmal
Principal

PRINCIPAL

H.S.B.P.V.T'S GROUP OF INSTITUTI
College of Pharmacy, Kashti

2. INDIVIDUAL TIME TABLE

Hon. Shri. Babanrao Pachpute Vichardhara Trust's,

Group of Institutions, Faculty of Pharmacy, Kashti


Individual Time Table AY 2021-22

Name of Faculty: Prof. Darekar Shrikant Mahadev

Even Semester workload

Time	MON	TUE	WED	THE	FRI		
9 to 10 AM	P'COL I	Mentoring	Mentoring	P'COL I	Lecture Preparation		
10 to 11 AM	College level work	Library	P'COL I	College level work	College level work		
11 to 12PM	Student Project Work		College level work	Library	P'COL I		
12 to 1PM	Mentoring	College level work	Research Work	Mentoring	Research Work		
1 to 2 PM	HAP I	Lunch Break					
2 to 3 PM	P'COL I	P'COL I	HAP I	P'COL I	HAP I	P'COL I	
3 to 4 PM							HAP I
4 to 5 PM							

Sr. No.	Particulars	Hrs. Weekly
1	Teaching Load (Theory)	08
2	Practical Load	15
3	Students Project Work	01
4	Lecture Preparation	02
5	College level work (CLW)	05
6	Research work	02
7	Library	03
8	Mentoring	04
Total		40


Course In-charge

HOD


Principal



Hon. Shri. Babanrao Pachpute Vichardhara Trust's Group of Institutions

Faculty of Pharmacy

Approved by AICTE & PCI, New Delhi
 Affiliated to Savitribai Phule Pune University, Pune & MSBTE, Mumbai.
 A/P-Kashti, Tai-Shrigonda, Dist-Ahmednagar, Pin- 414701
 Website – www.parikrama.edu.in, Phone – 9766126772,
 Email – pariphr@gmail.com

Time table for SYB Pharm. Sem IV AY 2021-22 wef. 07/02/2022

	Time	Batch	Mon	Tue	Wed	Thur	Fri
Theory	9 to 10		PCOL I (SMD)	MC I (SSB)	PP II (DAL)	PCOL I T (SMD)	PCOG (KMJ)
	10 to 11		MC I (SSB)	POC III T (RKS)	PCOL I (SMD)	PP II (DAL)	POC III (RKS)
	11 to 12		PCOG T (KMJ)	PCOG (KMJ)	MC I T (SSB)	MC I (SSB)	PCOL I (SMD)
	12 to 1		POC III (RKS)	PP II (DAL)	POC III (RKS)	PCOG (KMJ)	PP II T (DAL)
	1 to 2	Lunch Break					
Practical	2 to 5 pm	A	PCOG (KMJ)	PP II (DAL)	MC I (SSB)	PCOL I (SMD)	LIB
		B	PCOL I (SMD)	MC I (SSB)	PP II (DAL)	LIB	PCOG (KMJ)
		C	MC I (SSB)	PCOG (KMJ)	LIB	PP II (DAL)	PCOL I (SMD)
		D	LIB	PCOL I (SMD)	PCOG (KMJ)	MC I (SSB)	PP II (DAL)
		E	PP II (DAL)	LIB	PCOL I (SMD)	PCOG (KMJ)	MC I (SSB)

	Subject	Teacher
TH	POC III	Salve Sir (RKS)
	PCOL I	Darekar Sir (SMD)
	MC I	Banger sir (SSB)
	PP II	Landage Sir (DAL)
	PCOG	Jambhale Madam (KMJ)
PR	PCOG	Jambhale Madam (KMJ)
	PCOL I	Darekar Sir (SMD)
	MC I	Banger sir (SSB)
	PP II	Landage Sir (DAL)

Dr. Sunil Nirmal

Principal

3. SYLLABUS

BP 404 T. PHARMACOLOGY-I (Theory) 45Hours

Course Content:

Unit-I

General Pharmacology: 06 Hrs

Introduction to Pharmacology 03 Hrs

Definition, Historical landmarks and scope of pharmacology, Nature and source of drugs, Essential drugs concept and Routes of drug administration.

Dose response relationship, Therapeutic index, Agonists, Antagonists (competitive and non-competitive), Combined effects of drugs.

Factors modifying drug action.

Pharmacokinetics 03 Hrs

Membrane transport, Absorption, Distribution, Metabolism and Excretion of drugs. Enzyme induction, Enzyme inhibition, Introduction to kinetics of elimination.

Unit-II

General Pharmacology 12 Hrs

Pharmacodynamics: 07

Principles and mechanisms of drug action.

Receptor theories and classification of receptors, regulation of receptors. *Drug receptors interactions; Signal transduction mechanisms, G-protein-coupled receptors, Ion channel receptors*

Introduction to transmembrane enzyme linked receptors, JAK-STAT binding receptors and receptors that regulate transcription factors, Spare receptors.

Adverse drug reactions: 02

Addiction, Tolerance, Dependence, Tachyphylaxis, Idiosyncrasy, Allergy (explain with suitable examples).

Drug interactions: 03

Pharmacokinetic and pharmacodynamic drug interactions.



SYLLABUS

Drug discovery and clinical evaluation of new drugs:

Introduction to drug discovery, Preclinical evaluation and Clinical trials.

Introduction to Pharmacovigilance

Unit III

Pharmacology of drugs acting on Peripheral Nervous System

08 Hrs

Introduction to Autonomic Nervous System, Parasympathomimetics, Parasympatholytics, Sympathomimetics and Sympatholytics. 01

Neuromuscular blocking agents and skeletal muscle relaxants (peripheral). 02

Local anaesthetic agents. 03

Drugs used in myasthenia gravis and glaucoma 02

Unit-IV

Pharmacology of drugs acting on central nervous system

10Hrs

Neurohumoral transmission in the C.N.S.- 01

Special emphasis to be given on importance of various neurotransmitters like with GABA, Glutamate, Glycine, Serotonin, Dopamine.

General anaesthetics and pre-anaesthetics 02

Sedatives, Hypnotics and Centrally acting muscle relaxants 03

Anti-epileptics 02

Alcohol and Disulfiram 02

Unit-V

Pharmacology of drugs acting on Central Nervous System

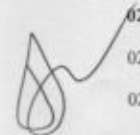
09Hrs

Psychopharmacological agents: Antipsychotics, Antidepressants, Anti-anxiety agents, anti-manics and Hallucinogens 03

Drugs used in Parkinson's disease and Alzheimer's disease 02

CNS stimulants and Nootropics 02

Opioid analgesics and antagonists (including addiction, abuse, tolerance and dependence) 02



4. RECOMMENDED BOOKS

BP 404 T. PHARMACOLOGY-I (Theory)

REFERENCES:

1. Rang H. P., Dale M. M., Ritter J. M., Flower R. J., Rang and Dale's Pharmacology, Churchill Livingstone Elsevier.
2. Katzung B. G., Masters S. B., Trevor A. J., Basic and clinical pharmacology, Tata Mc Graw-Hill
3. Goodman and Gilman's, The Pharmacological Basis of Therapeutics
4. Marry Anne K. K., Lloyd Yee Y., Brian K. A., Robbin L.C., Joseph G. B., Wayne A. K., Bradley R.W., Applied Therapeutics, The Clinical use of Drugs, The Point Lippincott Williams & Wilkins
5. Mycek M.J, Gelnet S.B and Perper M.M. Lippincott's Illustrated Reviews-Pharmacology
6. K.D.Tripathi. Essentials of Medical Pharmacology, JAYPEE Brothers Medical Publishers (P) Ltd, New Delhi.
7. Sharma H. L., Sharma K. K., Principles of Pharmacology, Paras medical publisher
8. Modern Pharmacology with clinical Applications, by Charles R. Craig & Robert,
9. Barar, F.S.K., Essentials of Pharmacotherapeutics; S. Chand and Company, New Delhi.
10. Das, M. M. and Dutta S. K. : R. Ghosh, Modern Concepts on pharmacology and Therapeutics, (HILTON and Co. Calcutta)
11. Satoskar , R.S. and Bhandarkar S.D. Pharmacology and Pharmacotherapeutics (PopularPrakashan, Bombay).
12. Harrison's Principle and Practice of Medicine, 18th Edition, Churchill, Livingston, .London.
13. Roger and Walker, Clinical Pharmacy and Therapeutics, Churchill, Livingston, London.
14. Dipiro Joseph L. A pathphysiological Approach, Elsevier.
15. Davidson's Principle of Internal Medicine, McGraw-Hill companies.
16. Chatterjee, C.C., Human Physiology. Medical Allied Agency, Kolkata.
17. Ganong, W.F., Review of Medical Physiology. Prentice-Hall International, London.



5. CO/ PO / ASSESSMENT DETAILS

CO Code	Course Outcome	Learning Level
BP404T.1	Describe basics of pharmacology, various route of drug administration and pharmacokinetics.	L1, L2, L5
BP404T.2	Explain pharmacodynamics, adverse drug reaction, drug interaction and process of new drug discovery.	L2, L4, L5, L6
BP404T.3	Explain pharmacology of drugs acting on peripheral nervous system.	L2, L4, L5, L6
BP404T.4	Describe neurohumoral transmission in CNS, general anesthetics, Sedative-hypnotics, Anti-epileptics with their classification and pharmacology of drugs.	L1, L2, L5
BP404T.5	Explain pharmacology of drugs acting on CNS	L2, L4, L5, L6

CO-PO MATRIX (MAPPING)


CO.No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP404T.1	3	-	2	2	-	2	1	2	2	-	3
BP404T.2	3	-	2	2	-	2	1	2	2	-	3
BP404T.3	3	-	-	-	-	2	-	-	-	-	3
BP404T.4	3	-	1	-	-	2	-	2	2	-	3
BP404T.5	3	-	1	-	-	2	-	2	2	-	3

CO-ASSESSMENT (MAPPING)

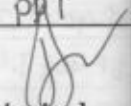
CO	Continuous Assessment				Semester / Year End. Exam
	C:A: I	CA - II	Sessional I	Sessional II	
BP404T.1	✓	+	✓	-	✓
BP404T.2	✓	-	✓	-	✓
BP404T.3	✓	-	✓	✓	✓
BP404T.4	-	-	-	✓	✓
BP404T.5	-	✓	-	✓	✓

TEACHING PLAN

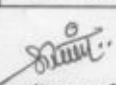

Lecture / Pr.No.	Planned Date	Topic	CO	Actual Date	Mode of Conduct
01.	05/01/22	^{Unit-1} Introduction to Pharmacology, Routes of drug administration.	BP404T.1	05/01/22	ppt
02.	07/01/22	Dose response relationships, therapeutic index, agonist, antagonist, combination effect of drugs.	BP404T.1	07/01/22	ppt & video
03.	10/01/22	factors modifying drug action.	BP404T.1	10/01/22	ppt
04.	12/01/22	Membrane transport, absorption, distribution of drug.	BP404T.1	12/01/22	ppt
05.	14/01/22	metabolism & excretion of drugs.	BP404T.1	14/01/22	ppt
06.	17/01/22	Enzyme induction, enzyme inhibition introduction to kinetics of elimination.	BP404T.1	21/01/22	ppt
07.	19/01/22	^{Unit-2} Principles & mechanism of drug action	BP404T.2	24/01/22	ppt
08.	21/01/22	Receptor theories & classification of receptors, regulation of receptor	BP404T.2	28/01/22	ppt & video
09.	24/01/22	Drug receptor interaction, signal transduction mechanism.	BP404T.2	31/01/22	ppt
10.	28/01/22	G-protein-coupled receptor.	BP404T.2	01/02/22	ppt
11.	02/02/22	Ion channel receptor.	BP404T.2	02/02/22	ppt
12.	04/02/22	Introduction to transmembrane enzyme linked receptors.	BP404T.2	04/02/22	PPT
13.	07/02/22	JAK-STAT binding receptors & receptors that regulate transcription factors, spare receptors.	BP404T.2	07/02/22	PPT
14.	09/02/22	Adverse drug reactions.	BP404T.2	09/02/22	ppt
15.	11/02/22	Adverse drug reactions.	BP404T.2	11/02/22	PPT


Signature of Faculty

Academic In-Charge /H.O.D.

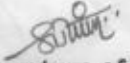

Principal

TEACHING PLAN


Sl. No.	Planned Date	Topic	CO	Actual Date	Mode of Conduct
16.	14/02/22	Pharmacokinetic & Pharmacodynamic drug interaction.	BP404T2	14/02/22	PPT
17.	16/02/22	Drug discovery & clinical evaluation of new drugs.	BP404T2	16/02/22	PPT
18.	18/02/22	————— " —————	BP404T2	18/02/22	PPT
19.	21/02/22	<u>Unit-3</u> Introduction to ANS	BP404T3	21/02/22	PPT
20.	23/02/22	Neuromuscular blocking agents.	BP404T3	23/02/22	PPT
21.	04/03/22	Skeletal muscle relaxants.	BP404T3	03/03/22	PPT
22.	07/03/22	Local anaesthetic agents.	BP404T3	23/03/22	PPT
23.	09/03/22	Local anaesthetic agents.	BP404T3	24/03/22	PPT
24.	11/03/22	Drug used in myasthenia gravis	BP404T3	25/03/22	PPT
25.	21/03/22	————— " —————	BP404T3	28/03/22	PPT
26.	23/03/22	Drugs used in glaucoma.	BP404T3	30/03/22	PPT
27.	25/03/22	<u>Unit-4</u> Neurohumoral transmission in the CNS.	BP404T4	31/03/22	PPT
28.	28/03/22	Special emphasis to be given on importance of various neurotransmitters.	BP404T4	01/04/22	PPT
29.	30/03/22	General anaesthetics & pre-anaesthetics.	BP404T4	04/04/22	PPT
30.	01/04/22	Sedatives & Hypnotics.	BP404T4	06/04/22	PPT
31.	04/04/22	————— " —————	BP404T4	07/04/22	PPT
32.	06/04/22	Centrally acting muscle relaxants.	BP404T4	08/04/22	PPT
33.	08/04/22	Anti-epileptics.	BP404T4	11/04/22	PPT
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  Signature of Faculty </div> <div style="text-align: center;"> Academic In-Charge /H.O.D. </div> <div style="text-align: center;">  Principal </div> </div>					

TEACHING PLAN

Lecture / Pr.No.	Planned Date	Topic	CO	Actual Date	Mode of Conduct
34.	11/04/22	Anti-epileptics.	BP404T4	13/04/22	PPT & video
35.	13/04/22	Alcohol & Disulfiram	BP404T4	18/04/22	PPT
36.	18/04/22	--- " ---	BP404T4	20/04/22	PPT
37.	20/04/22	Unit-5:- Antipsychotics.	BP404T5	21/04/22	PPT
38.	22/04/22	Antidepressants.	--	04/05/22	PPT
39.	02/05/22	Anti-anxiety agents.	--	06/05/22	PPT
40.	04/05/22	Anti-manics & Hallucinogens.	--	09/05/22	PPT
41.	06/05/22	Drugs used in Parkinson's disease & Alzheimer's disease.	--	23/05/22	PPT
42.	09/05/22	CNS stimulants.	BP404T5	23/05/22	PPT
43.	10/05/22	Nootropics.	--	24/05/22	PPT
44.	11/05/22	Opioid analgesics	--	25/05/22	PPT
45.	13/05/22	Opioid antagonists including addiction, abuse, tolerance & dependence.	--	26/05/22	PPT


Signature of Faculty

Academic In-Charge /H.O.D.


Principal

7. TUTORIAL RECORD

Sr. No.	Topic Covered	Date of Conduct	Mode of Conduct	Sr. No.
01.	Group discussion	06/01/2022	Verbal.	
02.	Question answer	13/01/2022	Verbal & ppt.	
03.	Discussion on flow chart preparation	20/01/2022	CfB & paper.	
04.	Assignment	27/01/2022	paper & pen.	
05.	Animation & video.	03/02/2022	projector.	
06.	Group discussion.	10/02/2022	Verbal.	
07.	Revision on difficult topics.	17/02/2022	Verbal & ppt.	
08.	Question answer discussion.	03/03/2022	—	
09.	Assignment	10/03/2022	Paper & pen.	
10.	Discussion on question bank.	21/03/2022	Verbal & ppt.	


Signature of Faculty

Academic In-Charge /H.O.D.


Principal

8. ATTENDANCE

Roll No	Students Name	Date	05/01/22	07/01/22	10/01/22	12/01/22	14/01/22	17/01/22	21/01/22	24/01/22	28/01/22	31/01/22	01/02/22	02/02/22	04/02/22	07/02/22	09/02/22	11/02/22	14/02/22	16/02/22	18/02/22	21/02/22	23/02/22
			Sr.No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
01	Adhav Rutuja K		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
02	Anarase Rutuja D.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		
03	Bargande Kaveri R		0	0	0	1	2	3	4	5	5	6	7	8	9	9	10	10	11	12	13	14	
04	Barage Sambhavi V.		1	1	2	3	3	3	4	5	5	5	6	6	7	7	7	8	9	10	11	12	
05	Belage Prasad S.		1	2	3	4	5	6	6	7	7	7	8	9	10	11	12	13	13	13	14	14	
06	Bhadave Sagar R		0	1	2	3	4	5	5	6	6	6	7	7	8	8	8	9	10	11	12	13	
07	Bhong Shubham V		0	1	2	2	3	4	4	5	6	7	8	9	10	11	12	13	14	14	14	15	
08	Bhosale Shubham P		1	1	2	3	4	5	6	7	7	7	8	8	9	10	11	12	13	14	15	15	
09	Changan Divya N		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	17	17	18	
10	Chaudhari Rutuja S		1	2	3	4	5	6	7	8	8	8	9	9	10	11	12	13	14	15	16	17	
11	Darandale Niranjana V		0	1	2	3	4	4	4	5	5	5	6	6	7	8	9	10	11	11	11	12	
12	Dhelawade Mayuri A		1	2	3	4	5	5	5	6	7	8	9	10	11	12	13	14	15	15	16	16	
13	Dhamdhare Atanksha		0	1	2	3	4	5	5	6	7	8	9	9	10	11	12	12	13	14	15	16	
14	Dhamdhare Nikhil D		0	0	0	1	2	2	3	4	4	4	5	5	6	7	8	9	10	11	12	13	
15	Dhumal Rutuja V.		0	1	2	3	4	4	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
16	Dighe Swagat B.		1	2	3	4	5	6	7	8	8	8	9	10	11	12	13	14	15	16	17	17	
17	Divate Dnyaneshwaris		1	2	3	4	5	6	7	8	8	8	9	10	11	12	13	14	15	16	17	18	
18	Doke Shamal R		1	2	3	4	5	5	6	7	7	8	9	10	11	12	13	14	15	16	17	18	
19	Dusang Atul M.		0	0	0	1	2	2	2	3	3	3	4	4	5	6	7	8	9	10	11	12	
20	Farale Yograj S.		0	0	0	1	2	2	2	3	4	5	6	7	8	8	9	10	11	12	13	14	
21	Gadade Mayuri M		1	2	3	4	5	6	7	8	8	8	9	10	11	12	12	13	14	15	16	17	
22	Gaikwad Harshal L		0	0	0	1	2	2	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
23	Gaikwad Pooja B.		0	1	2	3	4	5	6	7	7	7	8	9	10	10	10	11	12	13	14	15	
24	Gaikwad Pranay R.		0	0	1	2	3	3	3	4	5	6	7	7	8	9	10	11	12	13	14	15	
25	Gaikwad Pratik V		1	2	3	4	5	5	6	7	8	9	10	11	12	13	14	15	16	16	16	17	
26	Ganqande Pooja S.		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	

ATTENDANCE

17/10/21	21/10/21	23/10/21	03/10/21	03/10/21	04/10/21	05/10/21	05/10/21	06/10/21	06/10/21	07/10/21	07/10/21	08/10/21	08/10/21	11/04/21	11/04/21	13/04/21	18/04/21	20/04/21	21/04/21	04/05/21	06/05/21	08/05/21	23/05/21	24/05/21	05/05/21	06/05/21		
8	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
8	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
8	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
4	13	14	15	16	17	17	18	19	20	20	21	22	23	24	25	25	26	27	27	28	29	30	31	32	33	34	35	36
0	11	12	13	14	14	15	16	17	18	19	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
2	14	14	15	15	16	17	17	18	19	20	21	22	23	24	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1	12	13	14	15	16	17	18	19	20	20	20	20	21	22	23	24	24	25	26	27	27	28	29	30	31	32	33	34
4	14	15	16	17	18	19	20	21	22	23	24	25	26	27	27	28	29	30	31	32	32	33	34	35	36	37	38	39
4	15	15	16	17	18	19	20	21	22	23	24	25	26	27	27	28	29	30	31	32	33	34	35	36	37	38	39	40
7	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	36	37	38	39	40	41	42	43
5	16	17	18	19	20	21	22	23	24	25	25	26	27	28	29	30	31	32	33	34	35	36	36	37	38	39	40	41
1	11	11	12	13	14	15	16	17	18	19	20	21	22	23	23	24	25	26	27	28	29	29	30	31	32	33	34	35
5	15	16	17	18	19	20	20	21	22	23	24	25	26	27	27	28	29	30	31	32	33	34	35	36	37	38	39	40
4	15	16	17	18	19	19	20	21	22	22	23	24	25	26	27	28	29	30	31	32	32	33	34	35	36	37	38	39
1	12	13	14	15	16	17	18	19	20	21	21	22	23	23	24	25	25	26	27	28	29	30	31	32	33	34	35	36
5	16	17	18	19	20	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	34	35	36	37	38	39	40	41
6	17	17	18	19	19	20	21	22	22	23	24	25	26	27	27	27	28	29	30	31	32	33	34	35	36	37	38	39
6	17	18	19	20	20	21	22	23	24	25	25	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
6	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	32	33	34	35	36	36	37	38	39	40	41	42
1	11	12	13	14	15	16	17	18	19	20	21	22	23	24	24	25	25	26	27	28	29	29	30	31	32	33	34	35
2	13	14	15	16	17	17	18	19	20	21	22	23	24	25	26	27	27	27	28	29	30	31	32	33	34	35	36	37
5	16	17	18	19	20	20	21	22	23	23	24	25	26	27	28	29	30	31	32	33	33	34	35	36	37	38	39	40
3	14	15	16	17	18	19	20	20	21	22	23	24	25	26	27	28	28	29	30	31	32	33	34	35	36	37	38	39
3	14	15	16	17	18	19	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	33	34	35	36	37	38	39
3	14	14	15	16	16	16	17	17	18	19	20	21	22	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
5	16	16	17	18	19	20	20	21	22	23	24	25	26	27	27	28	29	30	30	31	32	32	33	34	35	36	37	38
7	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	33	34	35	36	37	38	39	40	41	42	43	44

Internal Examination Record

Attended Total	Exam	CAI	CA II	CAIII	ATD	STI	OTHER
	Max Mark Roll No.	MCS.	Assign- ment.				
	01	4	4		4	2	
	2	4	3		4	2	
	3	4	3		3	2	
	4	4	3		2	2	
	5	2	3		2	2	
	6	4	3		2	2	
	7	4	2		4	2	
	8	4	3		4	2	
	9	4	3		4	2	
	10	4	3		4	2	
	11	4	3		3	2	
	12	4	4		4	2	
	13	4	3		4	2	
	14	3	2		3	2	
	15	4	3		4	2	
	16	4	3		3	2	
	17	4	4		4	2	
	18	4	2		4	2	
	19	3	3		3	2	
	20	4	3		3	2	
	21	4	4		4	2	
	22	4	3		4	2	
	23	4	3		4	2	
	24	4	3		2	2	
	25	4	3		4	2	
	26	4	3		4	2	



Roll No	Other	Other	Sessional			Sessional Average Marks	Total mark (Computed) Internal Exam out of 25	Attended Th./Pt.	Attended Tut.	Percent Attended
			I	II	III					
			06	12		09	19	45	10	100
01			06	10		08	18	41	08	89
02			07	09		08	17	34	09	78
03			07	08		08	16	34	08	76
04			06	06		06	13	33	08	75
05			02	11		07	15	32	09	75
06			02	08		05	14	37	09	83
07			04	06		05	15	38	08	83
08			07	08		08	18	41	10	92
09			08	07		08	18	41	08	89
10			07	08		08	17	34	09	96
11			03	08		06	16	39	10	89
12			09	10		10	20	37	08	82
13			02	08		05	13	33	08	75
14			04	07		06	16	39	09	87
15			06	09		08	17	34	09	78
16			01	06		04	14	38	08	83
17			06	08		07	16	41	10	92
18			04	09		07	15	34	09	78
19			02	07		05	14	36	08	80
20			08	09		09	19	38	10	87
21			05	07		06	16	38	09	85
22			07	09		08	18	38	08	83
23			01	09		05	13	33	08	75
24			06	08		07	17	37	10	85
25			07	08		08	18	43	07	91

8. ATTENDANCE

Roll No	Students Name	Date																		18/02/22	21/02/22	23/02/22
			Sr.No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
27	Gangrade Ranjit P		1	2	3	4	5	6	7	8	8	9	10	10	11	11	12	13	14	14	15	15
28	Gawali Anjali K		1	2	3	4	5	6	6	7	7	7	8	8	9	10	11	12	13	14	15	16
29	Gawali Darshan R		1	2	3	4	5	6	7	8	8	8	9	10	11	12	13	14	15	16	17	17
30	Giri Rushikesh S		1	2	3	4	5	5	6	7	8	9	10	11	12	13	14	15	15	15	16	16
31	Godage Kishor R		1	2	3	4	5	6	7	8	8	8	9	10	11	12	13	14	15	16	16	16
32	Gore Ankita B.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	14	15	16	17	18	18
33	Gosavi Apurva R.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
34	Hande Neha R.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
35	Hirve Shubham N		1	2	3	4	5	5	6	7	7	7	8	8	9	9	9	9	9	9	9	9
36	Irole Divya S.		0	1	2	3	4	5	5	6	7	7	8	9	10	11	12	13	14	15	16	16
37	Jadhav Abhishek R		0	1	2	3	3	3	4	5	5	5	6	6	7	8	9	10	11	12	13	13
38	Jadhav Payal A		1	2	3	4	5	6	7	6	7	8	9	10	11	12	13	14	15	16	16	16
39	Jangale Vishwajit R		0	1	2	3	4	4	4	5	5	7	8	9	9	10	10	10
40	Kakade Sujit B		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	17	18	18
41	Kalamkar Manasi P		1	2	3	4	5	6	7	8	8	8	9	9	10	10	11	12	13	14	15	16
42	Kambale Anuja C.		1	2	3	4	5	6	7	8	8	8	9	9	10	10	10	11	12	13	14	15
43	Kambale Priyanka P		0	1	2	3	4	4	4	5	5	5	6	6	7	7	8	9	10	11	12	12
44	Karanjkar Pranita A		1	2	3	4	5	6	7	8	8	8	9	9	10	11	12	13	14	15	15	16
45	Kardile Avinash N		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
46	Kate Akshay R		1	2	3	4	5	6	7	8	8	8	9	9	10	11	12	13	14	15	15	16
47	Khadkar Mangesh B		1	2	3	4	5	5	6	7	7	7	8	8	9	10	11	12	12	12	12	14
48	Khamkar Pratiksh N		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	18
49	Khamkar Shubhada V		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	17	18	18
50	Khandare Mrunal B.		1	2	3	4	5	6	7	8	8	8	9	10	11	12	13	14	15	16	17	17
51	Kharade Onkar S		1	2	2	3	4	4	5	6	6	6	7	7	8	8	8	9	10	11	12	12
52	Kharade Sachin A		1	2	3	4	5	6	7	8	8	8	9	9	10	11	12	13	14	15	16	16

ATTENDANCE

	10/13/11	22/3/12	24/3/12	25/3/12	28/3/12	29/3/12	31/03/12	01/04/12	04/04/12	07/04/12	08/04/12	11/04	13/04	18/04	20/04	21/04	24/05	06/05	29/05	23/05	28/05	24/05	25/05	26/05	
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43

TUTORIAL

Roll No																										Attended Total	
	06/01/22	13/01	20/01	27/01	03/02	10/02	17/02	24/02	03/03	10/03	31/03	11	12	13	14	15	16	17	18	19	20	21	22	23	24		25
27	27	0	1	2	3	4	4	5	6	7	8																
28	28	1	2	3	4	5	6	7	8	9	10																
29	29	1	2	3	4	5	6	6	7	8	9																
30	30	1	1	2	3	4	5	6	7	7	8																
31	31	1	2	3	4	5	6	7	8	9	10																
32	32	1	2	3	4	5	6	7	8	9	10																
33	33	0	0	1	2	3	4	5	6	7	8																
34	34	1	2	2	3	4	5	6	7	8	9																
35	35	0	0	0	0	0	0	0	0	0	0																
36	36	1	2	3	3	4	5	6	7	8	9																
37	37	1	2	3	4	5	6	7	8	8	9																
38	38	1	2	2	3	4	4	5	6	7	8																
39	39	1	1	1	1	1	1	1	1	1	1																
40	40	1	2	3	4	4	5	6	7	8	9																
41	41	1	2	3	4	5	6	7	8	9	10																
42	42	1	2	3	4	5	6	7	8	8	9																
43	43	1	1	2	3	4	5	6	7	8	9																
44	44	1	2	3	4	5	6	7	8	9	10																
45	45	1	2	2	3	4	5	6	7	8	9																
46	46	1	2	3	4	4	5	6	6	7	8																
47	47	1	2	3	4	5	5	6	7	8	8																
48	48	1	2	3	4	5	6	7	8	9	10																
49	49	1	2	3	4	5	6	7	8	9	10																
50	50	0	1	2	3	4	5	5	6	7	8																
51	51	0	0	1	2	3	4	5	6	7	8																
52	52	0	0	1	2	3	4	5	6	7	8																
53																											
54																											
55																											
56																											
57																											
58																											
59																											
60																											

Internal Examination Record

Exam	CAI	CA II	CAIII	ATD	STI	OTHER
Max Mark	MCG. (out of 4)	Assignment (out of 4)		out of 4	out of 2	
Roll No.						
27	3	3		3	2	
28	4	3		4	2	
29	4	3		4	2	
30	4	3		3	2	
31	4	3		3	2	
32	4	3		4	2	
33	3 3	3		4	2	
34	3 4	3		4	2	
35	-AB-	-AB-		1	0	
36	4	2		4	2	
37	4	3		3	2	
38	4	4		4	2	
39	2	-AB-		1	0	
40	4	2		4	2	
41	4	3		4	2	
42	3	4		3	2	
43	4	3		2	2	
44	4	3		4	2	
45	4	3		4	2	
46	4	3		4	2	
47	4	3		3	2	
48	3	3		4	2	
49	3	3		4	2	
50	3	3		4	2	
51	-AB-	3		4	2	
52	4	2		3	2	



Roll No	Other	Other	Sessional			Sessional Average Marks out of 15	Total mark (Computed) Internal Exam (25)	Attended Th./Pr.	Attended Tut.	Percent Attended
			I	II	III					
			02	06		04	12	37	08	82
27			07	11		09	19	38	10	87
28			04	08		06	16	42	09	92
29			01	07		04	13	37	08	82
30			09	10		10	19	37	10	85
31			09	11		10	20	44	10	98
32			05	08		07	16	44	08	94
33			07	11		09	19	44	09	96
34			Ab	Ab		Ab	00	-	00	-
35			08	08		08	17	40	09	89
36			05	08		07	16	36	09	82
37			06	12		09	19	39	08	85
38			00	Ab		Ab	02	-	01	-
39			05	09		07	16	41	09	91
40			09	10		10	20	37	10	85
41			03	06		05	14	36	09	80
42			05	09		07	15	34	09	78
43			07	09		08	18	39	10	89
44			07	08		08	18	43	09	94
45			06	09		08	18	38	08	83
46			05	08		07	16	36	08	80
47			07	09		08	17	39	10	89
48			07	10		09	18	39	10	89
49			05	08		07	16	38	08	83
50			04	08		06	14	44	08	94
51			04	05		05	13	37	08	82
52										

8. ATTENDANCE

Roll No	Students Name	Date																		18/02/22	21/02/22	23/02/22	
			Sr.No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
53	Kharat Akshay S		1	2	3	4	5	5	5	6	6	7	7	8	9	10	11	12	13	14	15	16	
54	Kharat Govind B		1	2	3	4	5	6	7	8	8	9	9	10	11	12	13	14	15	16	17	18	
55	Khetmalis Sakshi M		1	2	3	4	5	6	7	8	8	8	9	10	11	12	13	14	15	16	17	18	
56	Khetmalis Shubham M		1	2	3	4	5	6	7	8	8	8	9	10	11	12	13	14	15	16	17	18	
57	Khilari Nikita G		1	2	3	4	5	6	7	8	8	9	10	11	12	13	14	15	16	17	18	19	
58	Kodre Sayali S		1	2	3	4	5	6	7	8	9	9	9	9	10	11	12	13	14	15	16	16	
59	Kokate Shivprasad S.		1	2	3	4	5	6	7	8	8	8	9	10	11	12	13	14	15	16	17	17	
60	Kolape Sujata J		1	2	3	4	5	6	7	8	8	9	10	11	12	13	14	15	15	16	17	18	
61	Kore Suraj H		0	1	2	2	3	3	3	4	4	4	5	6	7	8	9	10	11	12	13	14	
62	Lendal Aniket S.		1	2	3	4	5	6	7	8	9	10	10	12	13	14	15	16	17	18	19	20	
63	Machale Ram A		0	1	2	2	3	4	5	6	6	6	7	8	9	10	11	12	13	14	15	16	
64	Madane Amit B		0	0	0	1	2	2	2	3	3	3	4	4	4	5	6	7	8	9	10	11	
65	Mali Atharv R		0	0	0	1	2	3	4	5	5	6	7	8	9	9	10	11	12	13	14	15	
66	Mande Varsha B.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
67	Mane Rakhi S.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
68	Mane Rohan R		1	2	3	4	5	6	6	7	7	7	8	9	10	11	12	13	14	15	16	16	
69	Mane Rohit H.		1	2	3	4	5	5	6	7	8	9	9	10	11	12	13	14	15	15	15	15	
70	Mattkar Pooja S.		0	0	1	2	3	4	4	5	5	5	6	7	8	9	10	11	12	13	14	15	
71	Merad-Anil V		0	1	2	3	4	5	5	6	7	8	9	10	11	12	13	14	15	16	16	17	
72	Mharsane Rajnandini R		0	1	2	3	4	5	6	7	8	8	8	9	9	10	11	12	13	14	15	16	17
73	Nagawade Akanksha B		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	17	18	19
74	Naraware Jay D		0	1	2	3	4	5	6	7	8	9	10	11	12	13	13	14	15	16	16	17	18
75	Navale Saurabh B.		0	1	2	3	4	5	5	6	7	7	7	8	9	10	11	12	13	14	15	16	16
76	Nehul Monika L		0	1	2	3	4	5	6	7	8	8	8	9	10	11	12	13	14	15	16	17	17
77	Obal Varsha D		0	1	2	3	4	5	6	7	8	8	9	9	10	11	11	12	13	13	14	15	15
78	Pachpute Gayatri V		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	17	18	18

ATTENDANCE

13/3	23/03	24/03	05/03/24	08/03/24	30/03/24	31/03/24	01/04	04/04	06/04/24	07/04/24	08/04/24	11/04	13/04	18/04	20/04	21/04	04/05	06/05	09/05	09/05	23/05	24/05	25/05	26/05	30/05	31/05
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41		
13	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42			
13	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43		
13	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43		
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43			
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40			
13	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42		
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42			
15	15	15	15	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	29	30	31	32	33	34		
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	38	39	40	41	42	43			
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41		
12	13	14	15	16	17	18	19	20	20	21	22	23	23	24	25	26	27	28	28	29	30	31	32	33		
16	17	18	19	19	20	21	22	22	23	24	25	26	27	27	27	28	29	29	30	31	32	33	34			
21	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	38	39	40	41	42	43		
31	22	23	24	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44		
17	18	19	20	21	22	23	24	24	25	26	27	28	29	30	31	31	32	33	34	35	36	37	38	39		
16	17	18	19	20	20	20	21	22	23	24	24	25	26	27	28	28	29	30	31	32	33	34	35			
16	17	18	19	19	20	21	22	23	23	24	25	26	27	28	29	30	31	31	32	33	34	35	36	37		
18	18	19	19	20	21	22	23	23	24	25	26	27	27	28	29	30	31	31	32	33	34	35	36			
18	19	20	21	22	23	24	25	26	27	28	29	29	30	30	31	32	33	34	35	36	37	38	39	40		
20	21	21	22	23	24	25	26	27	28	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42		
19	20	21	22	22	23	24	25	26	27	28	29	30	31	31	32	33	34	35	36	37	38	39	40	41		
17	18	19	19	20	21	22	23	24	25	26	27	27	28	29	30	31	32	33	34	35	36	37	38	39		
13	20	21	22	22	23	24	25	26	27	28	29	29	30	31	32	33	34	35	36	37	38	39	40	41		
17	18	19	19	19	20	21	22	23	23	24	25	26	27	27	28	29	30	31	32	33	34	35	36			

TUTORIAL

Roll No	06/01/22	13/01	20/01	27/01	03/02	10/02	17/02	23/02	10/03	21/03																Attended		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25			
53	53	1	2	2	3	4	5	6	7	8	9																	
54	54	1	2	3	4	5	6	6	7	8	9																	
55	55	1	2	3	4	5	6	7	8	9	10																	
56	56	1	2	3	4	5	6	7	8	9	10																	
57	57	0	1	2	3	4	5	6	7	8	9																	
58	58	1	2	3	4	5	6	7	7	8	9																	
59	59	1	2	2	3	4	5	6	7	7	8																	
60	60	0	1	2	3	4	5	6	7	8	9																	
61	61	1	2	2	3	4	4	5	6	7	8																	
62	62	1	2	3	4	5	5	6	7	8	9																	
63	63	0	0	1	2	3	4	5	6	7	8																	
64	64	1	2	3	4	5	6	7	8	9	9																	
65	65	1	2	2	3	4	5	6	7	8	9																	
66	66	1	2	3	4	4	5	6	7	8	9																	
67	67	1	2	3	4	5	6	7	8	8	9																	
68	68	0	1	2	3	4	5	5	6	7	8																	
69	69	1	2	2	3	4	5	6	7	8	9																	
70	70	1	1	2	3	4	5	6	6	7	8																	
71	71	1	2	3	4	5	6	7	8	9	9																	
72	72	1	2	3	4	5	6	7	8	9	10																	
73	73	0	1	2	3	4	4	5	6	7	8																	
74	74	1	2	3	4	4	5	6	7	8	9																	
75	75	1	2	3	4	5	6	7	8	9	10																	
76	76	1	2	3	4	5	6	7	8	9	10																	
77	77	1	2	3	4	5	6	7	8	9	10																	
78	78	1	2	3	4	5	6	7	8	9	10																	

Internal Examination Record

Total	Exam	CAI	CA II	CAIII	ATD	STI	OTHER
Max Mark	MCQ	Assign.			out of 4	out of 2	
Roll No.	out of 4	out of 4					
53	4	3			4	2	
54	2	3			4	2	
55	4	3			4	2	
56	4	3			4	2	
57	4	3			4	2	
58	4	3			4	2	
59	4	3			4	2	
60	4	3			4	2	
61		3			2	2	
62	4	3			4	2	
63	4	3			4	2	
64	4	3			2	2	
65	4	2			2	2	
66	4	3			4	2	
67	4	4			4	2	
68	4	3			4	2	
69	4	4			3	2	
70	4	3			3	2	
71	4	3			3	2	
72	4	3			4	2	
73	4	3			4	2	
74	4	3			4	2	
75	4	2			4	2	
76	4	3			4	2	
77	4	2			3	2	
78	4	2			4	2	

Roll No	Other	Other	Sessional			Sessional Average Marks	Total mark (Computed) Internal Exam	Attended Th./Pr.	Attended Tut.	Percent Attended
			I	II	III					
			08	09		09	19	41	09	91
53			06	07		07	16	42	09	92
54			06	08		07	17	43	10	96
55			07	08		08	18	43	10	96
56			06	09		08	18	39*	09	87
57			07	11		09	19	40	09	89
58			06	08		07	17	42	08	91
59			07	09		08	18	42	09	92
60			05	08		07	13	34	08	76
61			07	09		08	18	43	09	94
62			05	07		06	16	41	08	89
63			04	05		05	13	33	09	76
64			04	05		05	12	34	09	78
65			07	09		08	18	43	09	94
66			08	10		09	19	44	09	96
67			07	10		09	19	39	08	85
68			07	07		07	16	35	09	80
69			10	11		11	20	37	09	83
70			07	08		08	17	36	08	80
71			08	09		09	19	40	09	89
72			06	09		08	18	42	10	94
73			06	07		07	17	41	08	89
74			04	06		05	14	39	09	87
75			08	10		09	19	41	10	92
76			07	09		08	16	36	10	83
77			04	07		06	15	41	10	92
78										

8. ATTENDANCE

Roll No	Students Name	Date																		18/02/24	21/02/24	23/02/24
			Sr.No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
79	Palande Viraj S.		1	2	3	4	5	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
80	Pathan Attaf H.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
81	Pathare Viraj A.		1	2	3	4	5	5	5	6	7	8	9	10	11	12	13	14	15	16	17	17
82	Patil Prashant D.		1	2	3	4	5	6	7	8	8	8	9	9	10	11	12	13	14	15	16	16
83	Pawar Rutuja A.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
84	Paul Asha D.		1	2	3	4	5	6	7	8	8	8	9	10	11	12	13	14	15	16	17	18
85	Rath Vaibhavi K.		1	2	3	4	5	6	7	8	8	9	10	10	11	11	11	12	13	14	15	15
86	Randive Neha S.		1	2	3	4	5	5	5	6	6	6	7	8	9	10	11	12	13	14	15	15
87	Rasane Sanket K.		1	2	3	4	5	6	7	8	8	9	9	10	11	12	13	14	15	16	17	17
88	Rode Kumar T.		0	0	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
89	Rongre Tanuja A.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
90	Shaikh Vajid M.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	15	16	17	18	19
91	Shelar Ranjan R.		0	0	0	1	2	2	2	2	2	2	3	3	4	5	6	7	8	9	10	11
92	Shelar Rutuja R.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
93	Shete Rahul S.		0	0	0	1	2	2	2	2	3	3	4	4	5	6	7	7	8	9	10	11
94	Shinde Shivnath H.		1	2	3	4	5	5	5	6	7	8	9	10	11	12	13	14	15	15	16	17
95	Sonawane Sagar A.		1	2	3	4	5	6	7	8	8	8	9	10	11	12	13	14	15	16	17	17
96	Sutar Aditya B.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	15	16	17	18	18
97	Takale Akshay B.		1	2	3	4	5	5	5	6	6	6	7	7	8	9	10	10	11	11	12	12
98	Tambe Pratiksha S.		1	2	3	4	5	5	6	7	7	7	8	9	10	11	12	13	14	15	16	17
99	Thokal Vaishnavi R.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
100	Thore Prathmesh C.		0	0	0	1	2	3	3	4	4	4	5	5	6	7	8	9	10	11	11	11
101	Tupe Mayur R.		1	2	3	4	5	6	6	7	8	8	9	9	10	11	11	12	13	13	14	15
102	Vyavhare Armita P.		1	2	3	4	5	6	7	8	9	10	11	12	13	13	14	15	15	16	16	16
103	Wagh Prachi S.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
104	Waghmare Armita R.		0	1	2	3	4	5	6	7	7	7	8	9	10	11	12	13	14	15	16	17

ATTENDANCE

9/13/22	12/3/22	24/23	25/23	28/18	30/01/22	01/08/22	01/04	04/04	06/04/22	07/04/22	08/04/22	11/04	13/04	18/04	20/04	01/04	04/05	06/05	09/05	23/05	23/05	24/05	25/05	26/05	
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
30	21	22	23	23	24	25	26	27	28	29	30	31	32	32	32	32	33	34	34	35	36	37	38	39	
4	22	23	24	25	26	27	28	29	30	31	32	33	34	35	35	35	36	37	38	39	40	41	42	43	
18	19	20	21	22	23	24	25	26	27	28	29	29	30	30	30	30	31	32	33	34	35	36	37	38	
17	18	19	20	21	22	23	24	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
21	22	23	24	25	26	27	28	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	25	36	37	37	38	39	40	41	42	
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20	21	22	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	26	26	27	28	29	30	31	32	33	34	
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	39	40	41	42	43	44	
12	13	14	15	16	17	18	19	20	21	22	22	23	24	25	25	26	27	28	29	30	31	32	33	34	
18	19	20	21	21	22	23	24	25	26	27	28	29	30	31	31	31	32	33	33	34	35	36	37	38	
18	18	18	18	18	19	20	21	22	23	24	25	26	27	28	29	30	31	31	32	33	34	35	36	36	
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13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	27	27	28	29	30	31	32	33	34	35	
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21	22	23	24	25	25	25	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	41	
12	13	14	15	16	17	18	19	19	20	21	22	23	24	24	24	25	26	27	27	28	29	30	31	32	
16	17	18	18	18	19	20	21	22	23	24	25	26	27	28	28	28	29	30	30	31	32	33	34	35	
17	18	19	20	21	22	23	24	25	26	27	28	29	30	30	31	32	33	34	35	36	37	38	39	40	
21	22	23	24	25	25	26	27	28	29	30	31	32	33	33	33	34	35	36	36	37	38	39	40	41	
18	19	20	21	22	23	24	25	25	25	25	26	27	28	29	30	31	32	32	33	34	35	36	37	37	

TUTORIAL

Roll No	06/01/22	13/01	20/01	27/01	03/02	10/02	17/02	24/02	03/03	10/03	31/03															Attended Total		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25			
79	79	1	2	3	4	5	6	7	8	9	10																	
80	80	1	2	2	3	4	5	6	7	7	8																	
81	81	1	2	3	4	5	6	7	8	9	10																	
82	82	0	1	2	2	3	4	5	6	7	8																	
83	83	1	1	2	3	4	5	6	7	8	9																	
84	84	1	2	2	3	4	5	5	6	7	8																	
85	85	1	2	3	4	5	6	7	8	9	10																	
86	86	1	2	3	4	5	6	7	8	9	10																	
87	87	1	2	2	3	4	5	6	6	7	8																	
88	88	1	2	3	4	5	5	6	7	8	8																	
89	89	1	2	2	3	4	5	6	7	8	9																	
90	90	1	2	2	3	4	5	5	6	7	8																	
91	91	1	2	3	4	4	5	6	7	8	9																	
92	92	1	2	2	3	4	5	6	6	7	8																	
93	93	0	1	2	3	3	4	5	6	7	8																	
94	94	1	2	3	4	5	5	6	7	8	9																	
95	95	0	0	1	2	3	4	5	6	7	8																	
96	96	1	2	2	3	4	5	6	7	7	8																	
97	97	1	2	3	4	5	5	6	7	8	9																	
98	98	1	2	2	3	4	5	6	7	8	9																	
99	99	1	2	3	4	5	6	7	8	9	10																	
100	100	1	2	3	4	5	5	6	7	8	9																	
101	101	1	2	3	4	5	5	6	7	8	9																	
102	102	1	2	3	4	5	6	7	7	8	9																	
103	103	1	2	3	4	5	6	7	8	9	10																	
104	104																											

Internal Examination Record

Exam	CAI	CAII	CAIII	ATD	STI	OTHER
Max Mark	Mcq. out of 4	Assign. out of 4	-	out of 4	out of 2	
Roll No.						
79	4	3		4	2	
80	4	2		4	2	
81	4	2		4	2	
82	4	3		4	2	
83	4	3		4	2	
84	4	4		4	2	
85	4	3		3	2	
86	3	3		4	2	
87	4	3		4	2	
88	4	2		4	2	
89	3	3		4	2	
90	4	3		4	2	
91	4	3		3	2	
92	4	4		4	2	
93	4	3		3	2	
94	4	3		4	2	
95	4	3		3	2	
96	4	3		4	2	
97	4	3		3	2	
98	3	2		4	2	
99	4	4		4	2	
100	4	3		3	2	
101	4	3		3	2	
102	4	3		4	2	
103	4	2		4	2	
104	4	3		3	2	

Roll No	Other	Other	Sessional			Sessional Average Marks	Total mark (Computed) Internal Exam	Attended Th./Pr.	Attended Tut.	Percent Attended
			I	II	III					
			07	08		08	18	39	10	89
79			05	05		05	14	43	08	92
80			05	06		06	15	38	10	87
81			04	09		07	17	40	8	87
82			06	07		07	17	44	9	96
83			08	09		09	19	42	8	91
84			06	06		06	15	35	10	82
85			06	08		07	16	40	10	91
86			06	07		07	17	42	08	91
87			06	08		07	16	40	8	87
88			02	08		05	14	39	9	87
89			08	09		09	19	43	8	92
90			05	06		06	15	34	9	78
91			07	11		09	19	44	8	94
92			03	08		06	15	34	8	76
93			04	08		06	16	38	9	85
94			08	10		09	18	36	8	80
95			11	09		10	20	43	8	92
96			04	07		06	15	35	9	80
97			04	06		05	14	41	9	91
97			05	06		06	16	41	10	92
98			03	06		05	14	32	9	75
99			05	07		06	15	35	8	78
100			06	09		08	18	40	9	89
101			04	10		07	16	41	9	91
102			06	09		08	17	37	10	85
103										
104										

8. ATTENDANCE

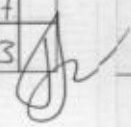
Roll No	Students Name	Date																		18/02/22	21/02/22		
		Sr.No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		
105	Waghmare Rutija B.	1	2	3	4	5	6	7	8	8	8	9	9	10	11	12	13	14	15	16			
106	Walke Shubham D.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	15	15	15	15	16		
107	Walke Sumit B.	1	2	3	4	5	5	6	7	7	7	8	9	10	11	12	13	14	15	16			
108	Walunj Varsha S.	0	1	2	3	4	4	5	6	7	8	9	10	11	12	13	14	15	16	17			
109	Waykar Sonal B.	1	2	3	4	5	6	7	8	8	8	9	10	11	12	13	14	15	16	17			
110	Yadav Saloni S.	1	2	3	4	5	6	7	8	8	9	10	12	13	14	15	16	17	18	19			
111	Zarad Snehal B.	1	2	3	4	5	6	7	8	8	8	9	10	11	12	13	14	15	16	17			
112	Pote Ashwini B.	1	2	3	4	5	6	7	8	8	8	8	8	9	9	10	11	12	13	14			
113	Akolkar Suraj S.	1	2	3	4	5	5	6	7	7	8	9	10	11	12	13	13	14	15	16			
114	Bendugade Sujit S.	1	2	3	4	5	5	6	7	7	7	8	9	10	11	12	13	14	15	16			
115	Dhage Ajinkya A.	1	2	3	4	5	6	7	7	7	8	9	10	11	12	12	13	14	15				
116	Dhole Akshay S.	1	2	3	4	5	5	6	7	8	8	9	9	10	11	12	13	14	15	15			
117	Dushing Rushikesh G.	0	1	2	3	4	4	5	6	6	6	7	8	9	10	11	12	13	14	15			
118	Gawali Maniket A.	1	2	3	4	5	5	6	7	8	9	10	11	12	13	14	15	16	17	18			
119	Kakade Akanksha B.	1	1	2	3	4	5	6	7	7	7	8	8	9	10	11	11	12	13	14			
120	Kapase Shubham L.	1	2	3	4	5	5	6	7	7	7	8	9	10	11	12	12	13	14	15			
121	Kuttarawade Sakshi	1	2	3	4	5	5	5	6	6	7	8	8	9	10	10	11	12	13	14			
122	Marrad Purnima S.	1	2	3	4	5	6	7	8	8	8	9	9	10	11	12	13	14	15	16			
123	Pansare Amruta A.	1	2	3	4	5	5	6	7	8	8	9	9	10	10	10	11	12	13	14			
124	Rathod Payal S.	0	1	2	3	4	5	5	6	6	6	7	7	8	9	10	11	12	13	14			
125	Sankpal Nilcitra R.	1	2	3	4	5	5	6	7	7	8	8	9	10	11	12	13	13	14	15			
126	Singare Samruddhi A.	0	1	2	3	4	5	6	7	7	7	8	8	9	10	10	11	12	13	14			
127	Paware Arati S.	0	1	2	3	4	4	5	6	6	7	8	8	9	10	11	12	13	14	15			
128	Phaware Ganesh B.	0	1	2	3	4	4	5	6	6	6	7	7	8	10	11	12	12	12	12			
129	Yadav Tejas D.	0	1	2	3	4	5	5	5	5	5	6	6	7	8	9	10	11	12	13			

ATTENDANCE

9/3/22	03/3/22	24/3	05/05	28/05	30/05/22	31/05/22	01/06	04/06	06/06/22	07/06/22	08/06/22	11/06	13/06	18/06	20/06	21/06	04/07	06/07	09/07	23/07	28/07	24/08	25/08	26/08	46
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	36	37	38	39	40	41	
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13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
15	16	17	18	19	20	21	22	22	22	22	23	24	25	25	25	25	26	27	28	29	30	31	32	33	






Academic In-Charge /HOD


Prof. Shrikant Mahadev Javedkar
Name & Signature of Faculty



Roll No	Other	Other	Sessional			Sessional Average Marks	Total mark (Computed) Internal Exam	Attended Th./Pr.	Attended Tut.	Percent Attended
			I	II	III					
			06	10		08	18	41	9	91
105			02	06		04	12	37	9	83
106			06	09		08	17	35	8	78
107			06	10		08	18	41	10	92
108			08	12		10	20	41	10	92
109			07	10		09	18	42	9	92
110			08	13		11	21	41	8	89
111			10	10		10	18	35	8	78
112			04	07		06	16	40	9	89
113			09	13		11	21	38	10	87
114			06	09		08	16	38	8	83
115			03	08		06	14	35	8	78
116			06	10		08	17	39	8	85
117			07	08		08	18	40	8	87
118			06	09		08	18	35	9	80
119			05	10		08	17	35	8	78
120			AB	AB		AB		15	4	35
121			10	12		11	21	38	8	83
122			03	08		06	16	40	9	89
123			05	06		06	14	33	9	76
124			07	06		07	16	34	9	78
125			07	10		09	19	39	10	89
126			04	07		06	15	33	9	76
127			07	11		09	18	37	8	82
128			06	07		07	16	33	8	75
129										

9. SYLLABUS COMPLETION RECORD

Month	No. of Lectures/ Practical Planned	No. of Lectures/ Practical Conducted	Topic Covered	Nonconformity if any	Corrective Measure	Sign Academic Incharge
Jan 2022	10	09	Unit 1, Principle & Mechanism of drug action, Receptor theories, Classification, & drug receptor interaction.	01	Plan one extra lecture in the next month.	
Feb. 2022	10	11	Unit-2	-	Conducted one extra lecture.	
March 2022	09	07	Skeletal muscle relaxant, local anesthetic, Drugs used in myasthenia gravis.	02		
April 2022	09	10	Drugs acting on CNS disorder.	-	-	
May 2022	07	08	CNS stimulant, opioid analgesics, Drugs used in Parkinson's disease.	-	Conducted one extra lecture.	
-						
-						


 Prof. Shrikant Mahadev Doretar
 Name & Signature of Faculty



Academic In-Charge /HOD

10 COVERAGE OF CONTENT BEYOND SYLLABUS

Sr. No.	Date	Name of the Topic	Contents	Mapping With POs
1.	31/05/2022	Role of Ethical guidelines in clinical research.	-History of clinical research. -Development of ethical guidelines	PO2, PO5, PO7
/				
/				
/				
/				
/				
/				
/				


Name & Signature of Faculty


Principal

14. SESSIONAL EXAMINATION QUESTION PAPER



Hon. Shri. Babanrao Pachpute Vichardhara Trust, Group of Institutions, Faculty of
Pharmacy, Kashti Shrigonda

B. Pharmacy

First Sessional Theory Examination - 2021-22

Subject : [BP404T] Pharmacology I-regular - Theory Faculty : Prof Shrikant Darekar
Year : Second Year - Semester IV Marks : 30 Date : 17 March, 2022 Duration : 90 Minutes

- Figures to the right indicate full marks.
- Draw neat diagram wherever necessary.

1 Question No.1 Objective type questions. (Solve any 5 out of 7 questions)

- | | | |
|-----|---|--------------|
| 1.1 | Define absorption, bioavailability and bioequivalence. | (2.00 Marks) |
| 1.2 | What are advantages and disadvantages of inhalation route of drug administration? | (2.00 Marks) |
| 1.3 | Enlist factors affecting drug metabolism. | (2.00 Marks) |
| 1.4 | What is significance of volume of distribution and half-life of drug? | (2.00 Marks) |
| 1.5 | Enlist different source of drug. | (2.00 Marks) |
| 1.6 | What are clinical trial? What are different phases of clinical trial? | (2.00 Marks) |
| 1.7 | Discuss impulse generation. | (2.00 Marks) |

2 Question 2: Long answer question. (Solve any 1 out of 2 questions)

- | | | |
|-----|---|---------------|
| 2.1 | Define Adverse Drug Reactions. Explain in detail types of ADR with suitable examples. | (10.00 Marks) |
| 2.2 | Enlist various parenteral routes of drug administration. Write advantages and disadvantages of intravenous, intramuscular and subcutaneous route. | (10.00 Marks) |

3 Question No. 3: Short answer question. (Solve any 2 out of 3 questions)

- | | | |
|-----|---|--------------|
| 3.1 | Explain factors affecting bioavailability of drug. | (5.00 Marks) |
| 3.2 | Discuss biosynthesis, storage, release and hydrolysis of Acetylcholine. | (5.00 Marks) |
| 3.3 | Discuss structure and mechanism of G-protein receptors. | (5.00 Marks) |

SESSIONAL EXAMINATION QUESTION PAPER



Hon. Shri. Babanrao Pachpute Vichardhara Trust, Group of Institutions, Faculty of
Pharmacy, Kashti Shrigonda

B. Pharmacy

Second Sessional Theory Examination - 2021-22

Subject : [BP404T] Pharmacology I-regular - Theory Faculty : Prof Shrikant Darekar
Year : Second Year - Semester IV Marks : 30 Date : 27 April, 2022 Duration : 90 Minutes

- Figures to the right indicate full marks.
- Draw neat diagram wherever necessary.

1 Question No.1 Objective type questions. (Solve any 5 out of 7 questions)

- | | | |
|-----|--|--------------|
| 1.1 | a) Classify anticholinergic drugs with suitable example. | (2.00 Marks) |
| 1.2 | b) Classify anticholinesterases with suitable example. | (2.00 Marks) |
| 1.3 | c) Define the following i) Sedative ii) Hypnotics. | (2.00 Marks) |
| 1.4 | d) Classify sedative Hypnotic drugs. | (2.00 Marks) |
| 1.5 | e) Explain biosynthesis of adrenaline. | (2.00 Marks) |
| 1.6 | f) Define Parkinsonism and write classification of antiparkinsonism. | (2.00 Marks) |
| 1.7 | g) Write a note on affective disorder. | (2.00 Marks) |

2 Question 2: Long answer question. (Solve any 1 out of 2 questions)

- | | | |
|-----|---|---------------|
| 2.1 | a) Classify General Anesthetic drugs. Explain in detail various stages of General Anesthesia. Explain the ideal properties of General Anesthetic agent. | (10.00 Marks) |
| 2.2 | b) Define Parasympathomimetic drugs. Classify parasympathomimetic agents with suitable example. Explain the biosynthesis, storage, release and metabolism of acetylcholine. | (10.00 Marks) |

3 Question No. 3: Short answer question. (Solve any 2 out of 3 questions)

- | | | |
|-----|--|--------------|
| 3.1 | a) Classify antidepressants and explain mechanism of action of Tricyclic anti-depressants. | (5.00 Marks) |
| 3.2 | b) Explain treatment of Schizophrenia with suitable examples. | (5.00 Marks) |
| 3.3 | c) Classify antiparkinson's drugs and explain mechanism of L-dopa. | (5.00 Marks) |

B.PHARM. DEGREE EXAMINATION
PCI PATTERN -SEMESTER IV
PHARMACOLOGY - I

- Define Pharmacokinetics & Pharmacodynamics. Write in detail about Parenteral routes of drug administration.
- Classify Anti-cholinergic drugs. Write the pharmacological actions, adverse effects and therapeutic uses of Atropine.
- Classify Anticonvulsant drugs. Discuss the mechanism of actions, adverse effects and uses of Phenytoin.
- Write a note on Tolerance.
- Brief the stages of general anaesthesia.
- Classify benzodiazepines. Write the mechanism of action and uses of benzodiazepines.
- Explain the pharmacology of opioid analgesics.
- Classify skeletal muscle relaxant. Describe the actions of non-depolarizing agents.
- Give the diagrammatic representation of Adrenergic neurohumoral transmission.
- Write a note on SSRIs.
- Write on the transducer mechanism in G- Protein coupled receptors.
- Define Parkinsonism. Write briefly on Bromocriptine.
- Give two examples of Animal source of drugs.
- What is prodrug? Give two examples.
- Define Teratogenicity and give two examples.
- Mention two uses of local anaesthesia.
- Define glaucoma and give two examples of anti-glaucoma drugs.
- Disulfiram reaction.
- Define hypnotics and give two examples.
- Two therapeutic uses of adrenaline.
- Name two antimanic drugs.
- Name two hallucinogens.
- Explain the fluid mosaic model of cell membrane. Write the mechanism of drug transportation via cell membrane.
- Narrate the pharmacological action of sympatholytics.
- Define and classify antidepressants. Explain the pharmacological action of Tricyclic antidepressant and SSRIs.
- Pharmacology of anticholinesterases.
- Steroid receptors.
- Write the mechanism of action and therapeutic application of adrenergic drugs.
- Pharmacovigilance.
- Teratogenicity.
- Volume of distribution.
- Enzyme induction and inhibition.
- Adverse drug reactions.
- Glaucoma.
- Drug allergy.



15. QUESTION BANK

- Cholinergic receptor.
- Therapeutic index.
- Define lead optimization.
- Succinylcholine.
- MAOIs.
- GABA receptor.
- First pass metabolism.
- Post marketing surveillance.
- Disulfiram.
- Describe the various Factors of Modifying Drug Action.
- Classify Local Anaesthetics. Write the Therapeutic uses of Local Anaesthetics.
- Classify Anti-epileptics. Write the Pharmacological action of any one Antiepileptic.
- Write about the Regulation of Receptors.
- Write about the Signal transduction mechanism of receptors reactions.
- Write about adverse drug.
- Write the Pharmacokinetic Drug Interactions.
- Write the Clinical evaluation of new Drugs.
- Write the Organization and functions of the ANS.
- Write the Drugs used in Myasthenia gravis.
- Classify Antipsychotics.
- Write the Opioid Analgesics & Antagonists.
- Spare receptors.
- Addiction.
- Tachyphylaxis.
- Distribution.
- Enzyme inhibition.
- Glycine.
- Anti anxiety agents.
- Nootropics.
- Drug abuse.
- Dependence.
- Describe the Nature and Sources of Drugs.
- Classify the Parasympathomimetics and Parasympatholytics.
- Describe the General Anaesthetics and Preanaesthetics.
- Principles and Mechanisms of Drug Action.
- Drug Receptors Interactions.
- Ion Channel Receptor.
- Explain Adverse Drug reactions with examples.
- Write about the Drug Discovery.
- Write about the Pharmacovigilance.
- Classification and Therapeutic uses of Neuro muscular blockers.
- Write short Notes on Disulfiram.



Total No. of Questions : 3]

SEAT No. :

P995

[Total No. of Pages : 2

[5854]-4004

S.Y. B. Pharmacy

BP404 T : PHARMACOLOGY - I

(2019 Pattern) (Credit System) (Semester - IV)

Time : 3 Hours]

[Max. Marks : 75

Instructions to the candidates:

- 1) All questions are compulsory.
- 2) Neat labeled diagrams must be drawn wherever necessary.
- 3) Figures to the right indicate full marks.

Q1) Objectives type Questions (Answer 5 out of 7)

[3×5=15]

- a) What are CNS stimulants? Write their examples and uses.
- b) Define and classify drug antagonism with example.
- c) Define Tachyphylaxis and give two examples.
- d) Define hypnotics and give two examples.
- e) Define pharmacovigilance.
- f) Define and Classify Drug Interactions.
- g) Define drug dependence with example.

Q2) Long answers (Any 2 out of 4)

[2×10=20]

- a) What is drug absorption? Describe various mechanisms of drug absorption and explain factors affecting absorption.
- b) Define and Classify sedatives and Hypnotics with examples and write Pharmacological effects and uses of them.
- c) Define and Classify Clinical Trials with details of design and data collected. Add a note on Pharmacovigilance.
- d) Define & classify parasympathomimetic agents with suitable example. Explain the biosynthesis, storage, release and metabolism of acetylcholine.

P.T.O. 

Q3) Short answer (Any 8 out of 10)

[8×5=40]

- a) Classify antiepileptic drugs. Describe the mechanism of action, therapeutic uses and adverse effects of valproic acid.
- b) Define and classify antipsychotic drugs. Write uses, MOA and ADR of Chlorpromazine.
- c) Define and classify general Anesthetics and write a note on stages of anesthesia.
- d) Enumerate opioid analgesics. Describe the therapeutic uses and adverse effects of morphine.
- e) Explain pharmacokinetic terms Bioavailability and Half-life in detail.
- f) Classify various drugs used for the treatment of Parkinson's disease. Explain why levodopa is combined with carbidopa.
- g) Define drug distribution, write factors affecting it and add a note on volume of distribution.
- h) Classify various beta blockers. Describe clinical uses of beta blockers.
- i) What is rational drug therapy? Which important points are considered before beginning of any drug therapy?
- j) Define & classify drug interaction. Explain drug receptor interaction.

✱ ✱ ✱

[5854]-4004

2

17. MARK ANALYSIS REPORT (COMBINE)

Max Marks	No. of Students		No. of Students			Internal			End. Sem. Exam			Total	
	Appeared	Passed	Absent	< 50 %	50-59 %	60-70 %	> 70 %	Min	Max	Avg.	Min	Max	Avg.
Int.....25	129	126	03	04	19	53	50	12	21	17			
Ext.....75													
Total.....100													

TEACHING - LEARNING ACTIVITY

Sr.	Course	Sem	planned Hrs.	Conducted HRS.	% Result
1.	Pharmacology -I	IV	45	45	

[Signature]

Signature of Faculty

Exam Incharge

Academic Incharge

[Signature]
Principal

- PO1: Pharmacy Knowledge: Possess knowledge and comprehension of the core and basic knowledge associated with the profession of pharmacy, including biomedical sciences; pharmaceutical sciences; behavioral, social, and administrative pharmacy sciences; and manufacturing practices.
- PO2: Planning Abilities: Demonstrate effective planning abilities including time management, resource management, delegation skills and organizational skills. Develop and implement plans and organize work to meet deadlines.
- PO3: Problem analysis: Utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice. Find, analyze, evaluate and apply information systematically and shall make defensible decisions.
- PO4: Modern tool usage: Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the limitations.
- PO5: Leadership skills: Understand and consider the human reaction to change, motivation issues, leadership and team-building when planning changes required for fulfillment of practice, professional and societal responsibilities. Assume participatory roles as responsible citizens or leadership roles when appropriate to facilitate improvement in health and well-being.
- PO6: Professional Identity: Understand, analyze and communicate the value of their professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employers, employees).
- PO7: Pharmaceutical Ethics: Honour personal values and apply ethical principles in professional and social contexts. Demonstrate behavior that recognizes cultural and personal variability in values, communication and lifestyles. Use ethical frameworks; apply ethical principles while making decisions and take responsibility for the outcomes associated with the decisions.
- PO8: Communication: Communicate effectively with the pharmacy community and with society at large, such as, being able to comprehend and write effective reports, make effective presentations and documentation, and give and receive clear instructions.
- PO9: The Pharmacist and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety and legal issues and the consequent responsibilities relevant to the professional pharmacy practice.
- PO10: Environment and sustainability: Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO11: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. Self-assess and use feedback effectively from others to identify learning needs and to satisfy these needs on an ongoing basis.