

Reference: MES/MCOP - 2020 - 21/93

Date: 01/01/2021

To
The Coordinator,
National Assessment & Accreditation Council,
Benglore-560072, Karnataka, India

Subject: Proofs for the Institution Adheres to the Academic Calendar for the conduct of Continuous Internal Evaluation (CIE)

Reference: 1.1.2 The Institution Adheres to the Academic Calendar for the conduct of (CIE)

Dear Sir/ Madam,

With the reference of above cited subject the Institution Adheres to the Academic Calendar for the conduct of Continuous Internal Evaluation (CIE). Sample copy Institution Academic Calendar and details are uploaded on college website.



Dr. G.S. Talele

Principal

Principal
Matoshri College of Pharmacy
Eklahare, Nashik - 422 105.



Circular No. 264 of 2019

**Revised Dates of Commencement and Conclusion of terms for the Academic Year 2019-20
for Science & Technology (B.Pharmacy)**

It is hereby informed that, the revised dates of commencement and conclusion of the first and second term of University Courses, under the faculty of Science & Technology (B.Pharmacy) for the academic year 2019-20 shall be as under :

Name of the Course and Faculty	2019 - 2020			
	First Term		Second Term	
	Commencement	Conclusion	Commencement	Conclusion
Science & Technology				
B.Pharmacy	15/06/2019	15/11/2019	26/12/2020	15/05/2020

Teaching will begin on the date of commencement of the terms. The teaching shall begin immediately after the finalization of admissions, however, term would stand concluded, on the dates mentioned above.

Note

1. In case, the Head of the Department require to give additional holiday in exceptional circumstances, he may do so by compensating the same by keeping Department/College working on Sundays.
2. The Term & Holidays for the Post-Graduate courses conducted in the Colleges/Institutes will be as per the University Departments.


Deputy Registrar
(P.G. Admission)

Ganeshkhind, Pune-07
Ref. No. PGS/3747
Date: 23/10/2019

Copy to: for Information and necessary action

The Members of the Management Council.

The Deans of Faculties.

The Registrar, Savitribai Phule Pune University, Pune.

The Director, Examinations & Evaluation, Savitribai Phule Pune University, Pune.

The Heads of all University Departments.

The Principals of all Affiliated Colleges.

The Directors of all Recognized Institutes.

The Heads of all the Administrative Sections of the University Office.

Asstt. Registrar, office of the Hon. Vice-Chancellor, Savitribai Phule Pune University

Asstt. Registrar, office of the Hon. Pro-Vice-Chancellor, Savitribai Phule Pune University.

ACADEMIC CALENDERS



MATOSHRI COLLEGE OF PHARMACY

Eklahare, Near Odhagaon, Aurangabad Highway, Tal. & Dist. Nashik, Nashik- 422 105. (M.S.) Ph. No.: 0253-2406687, 9552516050

E-mail ID: matoshripharmacy@rediffmail.com Website: pharmacy.matoshri.edu.in

Approved by: All India council of Technical Education (AICTE), Pharmacy Council of India, New Delhi, Govt. of Maharashtra, DTE, Mumbai. Affiliated to Savitribai Phule Pune University, Pune (ID.No.PU/NS/Pharm./163/2012) DTE Code:5405

Academic Calendar 2019-20 (Course B.Pharm)

Sr. No.	Month	Holidays/Activities	Working days				Remark
First term: Commencement 15 th June -24 th October 2019							
			F.Y.	S.Y.	T.Y.	Final	
1	June			10	10	10	
2	July	12 th july-bakri Eid		27	27	27	
3	August	F.Y. Commencement from 1 st Aug.19, 15 th Aug: Independence day 17 th Aug :Parshi New year One week Induction program for F.Y.	10	21	21	21	
4	September	2 sep: Ganesh chaturthi 5 th Sep.: Teacher's day 6 th Sep.: gauri poojan 10 th Sep.: Moharum 12 th Sep.: Anat Chaturdashi	18	18	18	18	
		First Sessional exam for 2015 pattern (Practical) 16/9/2019 to 20/9/2019 & (Theory) 23/9/2019 to 30/9/2019.					
5	October	2 Oct,: Mahatma Gandhi Jayanti 8 th Oct.: Dasshera	14	14	20	20	
		Second Sessional Exam for 2019 pattern (Practical) 14/10/19 to 19/10/2019 & Theory 21/10/2019 to 28/10/19.					
		Diwali vacation 26/10/2019 to 31/10/2019 Journal Certification 4/11/19-6/11/19					
6	November	12 th Nov. :Gurunanak Jayanti	17	10	02	02	



MATOSHRI COLLEGE OF PHARMACY

Eklahare, Near Odhagaon, Aurangabad Highway, Tal. & Dist. Nashik, Nashik- 422 105. (M.S.) Ph. No.: 0253-2406687, 955251605

E-mail ID: matoshripharmacy@rediffmail.com Website: pharmacy.matoshri.edu.in

Approved by: All India council of Technical Education (AICTE), Pharmacy Council of India, New Delhi, Govt. of Maharashtra, DTE, Mumbai. Affiliated to Savitribai Phule Pune University, Pune (ID.No.PU/NS/Pharm./163/2012) DTE Code:5405

Semester Practical Exam for Third and Final Year B. Pharm : Nov. 2019
Semester Practical Exam for First and Second Year B. Pharm: Dec.19
Semester Theory Exam first to final year :December 2019

Second Term: Date of Commencement 26/12/2019- 15/5/2020

7	December	25 th Dec. Christmas	05	05	05	05	
8	January	15 th Jan. Makarsankranti NSS Camp for Third year 04/01/2020-11/1/2020 NPW celebration week 26 th Jan: Republic Day Parent teacher meet 11/ 1/2020	24	24	24	24	
First Sessional exam for 2019 pattern (Practical 17/2/2020 to 22/2/2020) & (Theory 24/2/2020 to 2/3/2020)							
9	February	24 Feb: Mahashivratri	15	15	21	21	
First Sessional exam for 2015 pattern (Practical): 23/3/2020 to 27/3/2020 and (Theory):30/3/2020 to 7/4/2020. Second Sessional Exam for 2019 pattern (Practical 16/3/2020 to 21/3/2020) & (Theory)23/3/2020 to 30/3/2020)							
10	March	8 th March: Women's day 10 th March : Holi 25 th march: Gudhipadwa	17	17	17	17	
11	April	6 th April: Mahavir jayanti Annual function & Alumini meet 10 th : Good Friday 14 th : Ambedkar Jayanti	21	21	21	21	
12	May	1 st May: Maharashtra Din	06	06	06	06	
Total working Days			147	188	192	192	
No. of days spent for Sessional exam			12	12	07	07	
Total			159	200	198	198	


Academic In-charge
Asst. Prof. Shinde P.R.


Principal
Dr. Talele G.S.



Principal
Matoshri College of Pharmacy
Eklahare, Nashik - 422 105



MATOSHRI COLLEGE OF PHARMACY
 Eklahe, Near Odhagaon, Aurangabad Highway Tal, Dist. Nashik,
 Nashik-422105. (M.S). Ph.no.-0253-2406687, 9552516050
 E-mail ID: matoshripharmacy@rediffmail.com Website: www.mcop.in

Subject: Medicinal Chemistry - I (BP402T)
Pattern: 2018
Year: 2019-20

Sem: IV
Class: A

TEACHING PLAN

Sr. No.	Proposed Date	Start Time	End Time	Proposed Topic	Proposed Syllabus
1	26/12/2019	12:30 PM	1:30 PM	Introduction to Medicinal Chemistry	History and development of medicinal chemistry
2	27/12/2019	2:30 PM	3:30 PM	Tutorial-1	Tutorial-1
3	1/1/2020	12:30 PM	1:30 PM	Introduction to Medicinal Chemistry	Physicochemical properties in relation to biological action Ionization
4	2/1/2020	12:30 PM	1:30 PM	Introduction to Medicinal Chemistry	Solubility, Partition Coefficient, Hydrogen bonding
5	3/1/2020	2:30 PM	3:30 PM	Tutorial-2	Tutorial-2
6	7/1/2020	2:30 PM	3:30 PM	Introduction to Medicinal Chemistry	Protein binding, Chiral
7	8/1/2020	12:30 PM	1:30 PM	Introduction to Medicinal Chemistry	Bioisosterism, Optical Geometrical isomerism
8	9/1/2020	12:30 PM	1:30 PM	Introduction to Medicinal Chemistry	Drug metabolism pathways - Phase I and Phase II
9	10/1/2020	2:30 PM	3:30 PM	Tutorial-3	Tutorial-3
10	14/01/2020	2:30 PM	3:30 PM	Introduction to Medicinal Chemistry	Factors affecting drug metabolism including stereo chemical aspects
11	15/01/2020	12:30 PM	1:30 PM	Drugs acting on Autonomic Nervous System	Biosynthesis and catabolism of catecholamine
12	16/01/2020	12:30 PM	1:30 PM	Drugs acting on Autonomic Nervous System	Adrenergic receptors (Alpha & Beta) and their distribution
13	17/01/2020	2:30 PM	3:30 PM	Tutorial-4	Tutorial-4
14	21/01/2020	2:30 PM	3:30 PM	Drugs acting on Autonomic Nervous System	SAR of Sympathomimetic agents Direct acting: epinephrine, Epinephrine, Dopamine, Phenylephrine
15	22/01/2020	12:30 PM	1:30 PM	Drugs acting on Autonomic Nervous System	Methyldopa, Clonidine, Dobutamine, Isoproterenol, Terbutaline, Salbutamol, Oxymetazoline and Xylometazoline

16	23/01/2020	12:30 PM	1:30 PM	Drugs acting on Autonomic Nervous System	Indirect acting agents Hydroxyamphetamine Pseudoephedrine
17	24/01/2020	2:30 PM	3:30 PM	Tutorial-5	Tutorial-5
18	28/01/2020	2:30 PM	3:30 PM	Drugs acting on Autonomic Nervous System	Agents with mixed mechanism: Ephedrine Amphetamine.
19	29/01/2020	12:30 PM	1:30 PM	Drugs acting on Autonomic Nervous System	Alpha adrenergic blockers Tolazoline, Phentolamine, Phenoxybenzamine, Prazosin
20	30/01/2020	12:30 PM	1:30 PM	Drugs acting on Autonomic Nervous System	Beta adrenergic blockers SAR of beta blockers, Propranolol, Atenolol, Labetolol, Carvedilol
21	31/01/2020	2:30 PM	3:30 PM	Tutorial-6	Tutorial-6
22	4/2/2020	2:30 PM	3:30 PM	Drugs acting on Autonomic Nervous System	Synthesis of Phenylephrine Salbutamol
23	5/2/2020	12:30 PM	1:30 PM	Drugs acting on Autonomic Nervous System	Synthesis of Tolazoline Propranolol]
24	6/2/2020	12:30 PM	1:30 PM	Cholinergic neurotransmitters, Parasympathomimetic agents	Cholinergic neurotransmitters: Biosynthesis and catabolism of acetylcholine. Cholinergic receptors (Muscarinic and Nicotinic) and their distribution.
25	7/2/2020	2:30 PM	3:30 PM	Tutorial-7	Tutorial-7
26	11/2/2020	2:30 PM	3:30 PM	Cholinergic neurotransmitters, Parasympathomimetic agents	Parasympathomimetic agents: SAR of Parasympathomimetic agents Direct acting agents Acetylcholine, Carbachol, Bethanechol, Pilocarpine
27	12/2/2020	12:30 PM	1:30 PM	Cholinergic neurotransmitters, Parasympathomimetic agents	Indirect acting/ Cholinesterase inhibitors (Reversible & Irreversible) Physostigmine, Neostigmine,
28	13/02/2020	12:30 PM	1:30 PM	Cholinergic neurotransmitters, Parasympathomimetic agents	Edrophonium chloride, Donepezil, Tacrine hydrochloride, Parathion Malathion
29	14/02/2020	2:30 PM	3:30 PM	Tutorial-8	Tutorial-8
30	18/02/2020	2:30 PM	3:30 PM	Cholinergic neurotransmitters, Parasympathomimetic agents	Cholinesterase reactivators Pralidoxime chloride.

31	20/02/2020	12:30 PM	1:30 PM	Cholinergic neurotransmitters,Parasympathomimetic agents	Cholinergic Blocking SAR of cholinolytic :Solanaeous alkalo analogues: Atropin sulphate,
32	25/02/2020	2:30 PM	3:30 PM	Cholinergic neurotransmitters,Parasympathomimetic agents	Scopolamine hydrobromide, Ipra bromide
33	26/02/2020	12:30 PM	1:30 PM	Cholinergic neurotransmitters,Parasympathomimetic agents	Synthetic cholinerg blocking agents: Tropicamide, Cyclopentolate hydrochloride
34	27/02/2020	12:30 PM	1:30 PM	Cholinergic neurotransmitters,Parasympathomimetic agents	Dicyclomine, Glycopyrrolate, Propantheline brom
35	28/02/2020	2:30 PM	3:30 PM	Tutorial-9	Tutorial-9
36	3/3/2020	2:30 PM	3:30 PM	Cholinergic neurotransmitters,Parasympathomimetic agents	Synthesis of Neostig Dicyclomine hydroc
37	4/3/2020	12:30 PM	1:30 PM	Drugs acting on Central Nervous System	Sedatives and Hypn Benzodiazepines: SA Benzodiazepines, Chlordiazepoxide, Diazepam, Oxazepar Chlorazepate, Loraze
38	5/3/2020	12:30 PM	1:30 PM	Drugs acting on Central Nervous System	Barbiturtes: SAR of barbiturates, Barbita Amobarbital, Butaba Pentobarbital, Secob Miscellaneous:Amid imides Alcohol & the carbamate derivative Aldehyde & their derivatives
39	6/3/2020	2:30 PM	3:30 PM	Tutorial-10	Tutorial-10
40	11/3/2020	12:30 PM	1:30 PM	Drugs acting on Central Nervous System	Antipsychotics Phenothiazines: SAR Phenothiazines - Chlorpromazine hydrochloride, Triflupromazine, Thioridazine hydroch Trifluoperazine hydrochloride
41	12/3/2020	12:30 PM	1:30 PM	Drugs acting on Central Nervous System	Ring Analogues of Phenothiazines:

					Thiothixene, Loxapine succinate, Clozapine, buterophenones: Haloperidol, Droperidol, Risperidone. Benzamide Sulpiride.
42	13/03/2020	2:30 PM	3:30 PM	Tutorial-11	Tutorial-11
43	17/03/2020	2:30 PM	3:30 PM	Drugs acting on Central Nervous System	Anticonvulsants: SAR of Anticonvulsants, mechanism of anticonvulsant action. Barbiturates: Phenobarbitone, Mephobarbital
44	18/03/2020	12:30 PM	1:30 PM	Drugs acting on Central Nervous System	Hydantoins: Phenytoin, Mephentyoin, Oxcarbazepine, Ethosuximide. Diones: Trimethadione
45	19/03/2020	12:30 PM	1:30 PM	Drugs acting on Central Nervous System	Succinimides: Phenytoin, Methsuximide, Ureides: monoacylureas: Phenacetamide, Carbamazepine. Benzodiazepines: Clonazepam
46	20/03/2020	2:30 PM	3:30 PM	Tutorial-12	Tutorial-12
47	24/03/2020	2:30 PM	3:30 PM	Drugs acting on Central Nervous System	General anesthetics: Inhalation anesthetics: Halothane, Enflurane, Isoflurane, Sevoflurane, Desflurane. short acting barbiturates: Methohexital sodium, Thiopental sodium. Dissociative anesthetics: Ketamine hydrochloride
48	26/03/2020	12:30 PM	1:30 PM	Drugs acting on Central Nervous System	Synthesis of Diazepam, Barbitol, Chlorpromazine hydrochloride,
49	27/03/2020	2:30 PM	3:30 PM	Tutorial-13	Tutorial-13
50	31/03/2020	2:30 PM	3:30 PM	Drugs acting on Central Nervous System	Synthesis of Phenytoin, Carbamazepine, Halothane, Ketamine hydrochloride
51	1/4/2020	12:30 PM	1:30 PM	Centrally Acting analgesics	Narcotic and non-narcotic analgesics Morphine and related drugs: SAR of Morphine analogues, Morphine sulphate, Codeine, Meperidine hydrochloride

52	3/4/2020	2:30 PM	3:30 PM	Tutorial-14	Tutorial-14
53	7/4/2020	2:30 PM	3:30 PM	Centrally Acting analgesics	Diphenoxylate hydrochloride, Loperamide hydrochloride, Fentanyl citrate, Methadone hydrochloride
54	9/4/2020	12:30 PM	1:30 PM	Centrally Acting analgesics	Propoxyphene hydrochloride, Pentamorphine hydrochloride, Levorphanol tartrate
55	10/4/2020	2:30 PM	3:30 PM	Tutorial-15	Tutorial-15
56	15/04/2020	12:30 PM	1:30 PM	Centrally Acting analgesics	Narcotic antagonists: Nalorphine hydrochloride, Levallorphan tartrate, Naloxone hydrochloride
57	16/04/2020	12:30 PM	1:30 PM	Centrally Acting analgesics	Anti-inflammatory agents: Sodium salicylate, Aspirin, Mefenamic acid, Indomethacin, Sulindac
58	17/04/2020	2:30 PM	3:30 PM	Centrally Acting analgesics	Diclofenac, Ketorolac, Ibuprofen, Piroxicam, Acetaminophen, Phenylbutazone
59	21/04/2020	2:30 PM	3:30 PM	Centrally Acting analgesics	Synthesis of Fentanyl citrate, Methadone hydrochloride
60	22/04/2020	12:30 PM	1:30 PM	Centrally Acting analgesics	Synthesis of Mefenamic acid, Ibuprofen

Subject In-charge
(Mrs. Birari M.N.)

Academic In-charge
(Mrs. Shinde P.R.)

Principal
(Mr. Talele G.S.)

Principal

Matoshri College of Pharmacy
Eklahare, Nasik - 422 105





Matoshri Education Society's
MATOSHRI COLLEGE OF PHARMACY
Eklahare, Near Odhagaon, Aurangabad Highway, Tal. & Dist.
Nashik,

Subject: Medicinal Chemistry - I (BP406P)
Pattern: 2018

Year: 2019-20

Sem: IV
Batch: A

Proposed Date	Start Time	End Time	Proposed Topic	Proposed Syllabus
31/12/2019	8:00 AM	12:00 PM	Preparation of drugs/ intermediates	To perform the synthesis of 1,3-pyrazole
07/01/2020	8:00 AM	12:00 PM	Preparation of drugs/ intermediates	To perform the synthesis of 1,3-oxazole
14/01/2020	8:00 AM	12:00 PM	Preparation of drugs/ intermediates	To perform the synthesis of Benzimidazole
21/01/2020	8:00 AM	12:00 PM	Preparation of drugs/ intermediates	To perform the synthesis of Benztriazole
28/01/2020	8:00 AM	12:00 PM	Preparation of drugs/ intermediates	To perform the synthesis of 2,3-diphenyl quinoxaline
04/02/2020	8:00 AM	12:00 PM	Preparation of drugs/ intermediates	To perform the synthesis of Benzocaine
11/02/2020	8:00 AM	12:00 PM	Preparation of drugs/ intermediates	To perform the synthesis of Phenytoin
18/02/2020	8:00 AM	12:00 PM	Preparation of drugs/ intermediates	To perform the synthesis of Phenothiazine
25/02/2020	8:00 AM	12:00 PM	Preparation of drugs/ intermediates	To perform the synthesis of Barbiturate
10/03/2020	8:00 AM	12:00 PM	Recrystallization of compound and monitoring reactions with TLC	To perform the Recrystallisation and TLC of Benzimidazole
17/03/2020	8:00 AM	12:00 PM	Recrystallization of compound and monitoring reactions with TLC	To perform the Recrystallisation and TLC of Benztriazole
24/03/2020	8:00 AM	12:00 PM	Recrystallization of compound and monitoring reactions with TLC	To perform the Recrystallisation and TLC of 2,3- diphenyl quinoxaline
31/03/2020	8:00 AM	12:00 PM	Recrystallization of compound and monitoring reactions with TLC	To perform the Recrystallisation and TLC of Phenytoin
07/04/2020	8:00 AM	12:00 PM	Purification of above synthesized compounds by Column chromatography	To perform the Column chromatography of Phenytoin
21/04/2020	8:00 AM	12:00 PM	Determination of Partition coefficient	To perform the Partition coefficient of given sample.
28/04/2020	8:00 AM	12:00 PM	Determination of Ionisation constants	To perform the Ionisation constants of given sample


Subject In Charge
Mrs. Birari M.N


Academic In Charge
Mrs. Shinde P.R


Principal
Dr. Talale G.S

Principal

Matoshri College of Pharmacy,
Eklahare, Nashik - 422 105



GUARDIAN FACULTY MEMBER RECORD (GFM)/ Mentor RECORD

1. Personal Details		
Name of Student	Chaitali Mohan Palde	
Year of Admission	2018	
Admitted to class	T.Y.BPharm	
PRN No.	1131818034594	
Date of Birth	29 December 1999	
Adhar Card No.	526410853932	
Voter ID Card No.	YLV7010432	
Email ID.	chaitalimpalde@gmail.com	
Permanent Address	Raigad Chowk, Pathradi Road, near Artillery Centre Gate, Nashik.	
Current address	Same as above	
Blood group	AB +ve	
Contact no.(self)	9373661629	
Parents' occupation details	Father: Farmer	Mother Housewife
Parents contact details	9890090092	9307570992

Participation/Achievement during B. Pharm

Sr. no.	Academic Year	Participation/Achievement	Sign of mentor
1	2019-20	Secured first rank in carrom competition	
2	2019-20	Participated in cultural program	
3	2019-20	Secured second rank in class	



Subject: Pharmaceutical Organic Chemistry - II (BP)

Semester: Third (III)

Pattern: 2018P

Class: Second Year B. Pharmacy.

-: Assignment Questions :-

<u>Roll Numbers</u>	<u>Assignment Questions</u>
1, 2, 3, 4, 5. 6, 7, 8, 9, 10.	<u>Ques</u> : What is Huckel's rule of Arom. Explain aromatic electrophillic Substitution reactions in B. with respect to Sulphonation Halogenation Nitration.
11, 12, 13, 14, 15. 16, 17, 18, 19, 20.	<u>Ques</u> : Explain the directing up of following functional g. towards electrophillic Substit. in Benzene. (a) $-OH$ (b) $-CH_3$ (c) $-COOH$ (d) $-NO_2$
21, 22, 23, 24, 25. 26, 27, 28, 29, 30.	<u>Ques</u> : Explain acidity of p. Discuss the effect of Substit. on acidity of phenol. Give three methods of preparation of reaction of Phenol.
31, 32, 33, 34, 35. 36, 37, 38, 39, 40.	<u>Ques</u> : Explain the basicity of Discuss the effect of Substit. on basicity of amines Give three methods of preparation reactions of aromatic amines

<u>Roll Numbers</u>	<u>Assignment Questions</u>
41, 42, 43, 44, 45, 46, 47, 48, 49, 50	<u>Que:-</u> What is chirality of a molecule? Explain stereochemistry of compounds containing one or two chiral centres.
51, 52, 53, 54, 55, 56, 57, 58, 59, 60	<u>Que:-</u> Explain in detailed methods of determination of configuration of geometrical isomers.
61, 62, 63, 64, 65, 66, 67, 68, 69, 70	<u>Que:-</u> What are geometrical isomers? Explain various ways of nomenclature of geometrical isomers.
71, 72, 73, 74, 75, 76, 77, 78, 79, 80	<u>Que:-</u> Explain in detailed structure, synthesis, acid & medicinal uses of Nysta / phenanthrene / anthracene
81, 82, 83, 84, 85, 86, 87, 88, 89, 90	<u>Que:-</u> What are cycloalkanes? How they are prepared. Describe important reactions Cyclopropane & Cyclobutane
91, 92, 93, 94, 95, 96, 97, 98, 99, 100	<u>Que:-</u> Discuss the stability of Cycloalkanes on the Basis of Baeyer's strain theory.

<u>Roll Number</u>	<u>Assignment Questions</u>
101, 102, 103, 104, 105,	<u>Que:-</u> Explain Hydrolysis, Hydrogenation & Saponification of oils in detail.
106, 107, 108, 109	
110.	
111, 112, 113, 114, 115.	<u>Que:-</u> What is Rancidity of oil? Explain various measures to avoid Rancidity and give the role of antioxidants.
116, 117, 118, 119	

Total No. of Questions—6]

[Total No. of Printed Pages—3

Seat No.	
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[5345]-1004

F.Y. B.Pharm. (I Sem.) EXAMINATION, 2018
PHARMACEUTICAL ORGANIC CHEMISTRY—I
(2015 PATTERN)

Time : Three Hours

Maximum Marks : 60

N.B. :— (i) *All* questions are compulsory.

(ii) Figures to the right indicate full marks.

Section I

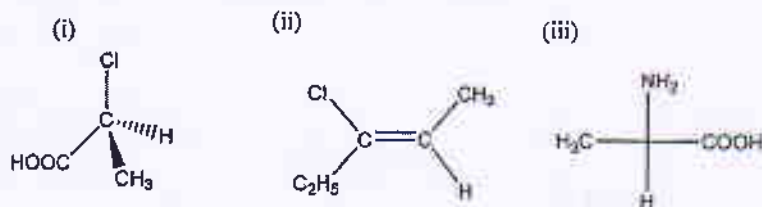
Q. No. 1: Discuss the concept of resonance and aromaticity with suitable examples. Discuss the orientation and reactivity in mono-substituted benzene. 10

OR

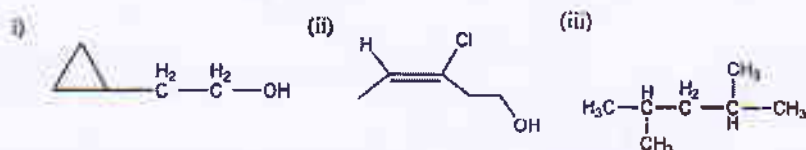
What do you mean by addition reactions of alkenes? Give general mechanism of electrophilic addition reactions. Explain addition of halogens on alkenes.

Q. No. 2 Answer the following (Any Four) 12

a) Assign R / S or E/Z configuration to following



b) Write IUPAC names for following structures



c) What is peroxide effect? Explain it with suitable example.

d) Define following terms with suitable examples

i) Free radical (ii) Carbenes (iii) Nitrenes

e) Discuss Markovnikoff rule with example.

P.T.O.

- f) Explain Tautomerism with example.
- g) Write any three methods of preparation of alkanes.

Q. No. 3 Answer the following (Any Two)

08

- a) Classify organic compounds on the basis of elemental composition (at least four classes with suitable examples).
- b) Define hybridization. Explain sp^2 hybridization.
- c) Explain the elimination-addition mechanisms of nucleophilic aromatic substitution.
- d) Explain Inductive effect, Mesomeric effect with examples.

Section II

Q. No. 4 Define isomerism? Explain different types of isomerism with examples.

10

OR

Classify ortho/para and meta directing groups (monosubstituted benzene) from following:

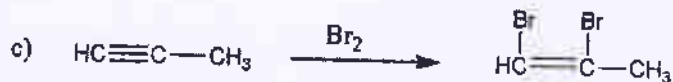
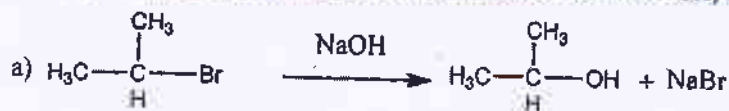
a) $-NH_2$ (b) $-CH_3$ (c) $-CHO$ (d) $-NO_2$

Justify any one ortho/para one meta directing group with resonance.

Q. No. 5 Answer the following (Any Four)

12

- a) Classify various types of chemical reactions with suitable examples.
- b) Explain Saytzeff rule for 1,2 elimination reaction?
- c) Write a note on ozonolysis.
- d) Tertiary carbocations are more stable than secondary carbocations explain.
- e) Identify the type of chemical reaction (Addition, Substitution etc) in following:



- f) Explain hyperconjugation and electromeric effect with example.
- g) Compare E1 with E2 reaction mechanism.

[5345]-1004

Q. No. 6 Answer the following (Any Two)

08

- a) Inter and Intra molecular forces of attraction
- b) What are alkynes? Write their any two methods of preparation and two reactions.
- c) Explain steric effect.
- d) Write down the stepwise mechanism for following reactions




Principal
Matoshri College of Pharmacy
Eklahare, Nasik - 422 105





Update Attendance		Update Attendance		Update Attendance	
PHARMACEUTICAL ORGANIC CHEMISTRY II (Third Semester (Div A))		PHARMACEUTICAL ORGANIC CHEMISTRY II (Third Semester (Div A))		PHARMACEUTICAL ORGANIC CHEMISTRY II (Third Semester (Div A))	
Total 50 [P = 44 A = 6]		Total 50 [P = 44 A = 6]		Total 50 [P = 44 A = 6]	
1. Gaurav Aathimale		14. Vaidhavy Bhoir		22. Ganesh Dhembare	
2. Chetan Ahire		15. Ravindra Birgar		23. Sunny Dhole	
3. Roshan Ahire		16. Pooja Chaudhari		24. Aarti Dhikale	
4. Siddhesh Algot		17. Ashutosh Chitte		25. Ravin Dhikale	
5. Amol Bachhav		18. Sachin Chitte		26. Kiran Dhikale	
6. Rahul Bachhav		19. Tejas Date		27. Saurabh Dumbre	
7. Sakshi Bapat		20. Anita Deogune		28. Jyoti Gakar	
8. Omkar Barve		21. Tarun Deore		29. Gaurav Gawade	
9. Kunal Bhamare					
10. Pratik Bhamare					
11. Sarthak Bhamare					
12. Nachiket Bhamre					
13. Mitaji Bhavsar					
Update Attendance	Mark All Absent	Update Attendance	Mark All Absent	Update Attendance	Mark All Absent



Update Attendance		Update Attendance	
PHARMACEUTICAL ORGANIC CHEMISTRY II (Third Semester (Div A))		PHARMACEUTICAL ORGANIC CHEMISTRY II (Third Semester (Div A))	
Total 50 [P = 44 A = 6]		Total 50 [P = 44 A = 6]	
AG 30 . Aditi Gawai	☒	PK 43 . Praj ak ta Kapadne	☒
KJ 31 . Kaushal Ghuge	☒	KK 44 . Kanchan Kap an	☒
DG 32 . Durgesh Ghule	☒	SK 45 . Sunny Kathe	☒
AG 33 . Akshay Gite	☐	RK 46 . Raghunath K en dhole	☒
PJ 34 . Payal Jadhav	☒	MA 47 . Machindra Khairnar	☐
SJ 35 . Swati Jadhav	☒	AK 48 . Aarti Khule	☒
AJ 36 . Ankita Jagtap	☒	PI 49 . Priyanka Lokhande	☒
NL 37 . Nisha Jaiswal	☒	LM 50 . Lalita Mahale	☒
Update Attendance	Mark All Absent	Update Attendance	Mark All Absent



**MATOSHRI COLLEGE OF PHARMACY**

Eklahare, Near Odhagaon, Aurangabad Highway, Tal. & Dist. Nashik,

Nashik- 422 105. (M.S.) Ph. No.: 0253-2406687, 9552516050

E-mail ID: matoshripharmacy@rediffmail.com

Website: pharmacy.matoshri.edu.in

Approved by: All India council of Technical Education (AICTE), Pharmacy Council of India, New Delhi, Govt. of Maharashtra, DTE, Mumbai.

Affiliated to: SavitribaiPhule Pune University, Pune (ID.No.PU/NS/Pharm./163/2012)DTE
Code:5405

FEEDBACK FORM FOR TEACHER EVALUATION BY STUDENTS

This questionnaire has been designed by Matoshri College of Pharmacy, Eklahare to seek a feedback from the student to strengthen the quality of teaching-learning environment and to look for opportunities to improve teacher's performance in classroom engagement with students to bring excellence in teaching and learning.

Class: S. Y. B. Pharm

Semester: III

Academic Year: 2019-20

	Mrs. N. N. Dhokale	Mrs. M. N. Birari	Ms. V. K. Kakad	Mrs. S. N. Bhavsar	Mrs. P. A. Pawar	Mr. P. V. Vyavhare	Mr. S. N. Kapse
Time Sense							
Subject Command							
Use of Teaching methods/teaching aids							
Helping Attitude							
Laboratory Interaction							
Class Control							

Students should give marks on below mention category.

Excellent (5), Very Good (4), Good (3), Average (2), Below Average (1)

Remark by Head of the Institute:

.....
.....




Principal

Matoshri College of Pharmacy
Eklahare Nashik - 422 105



CRITERIA TO IDENTIFY SLOW LEARNER AND ADVANCED LEARNERS ACADEMIC YEAR 2019-20

Evaluation of Slow/Advanced Learner:

Sr. No.	Parameter	Weightage
1.	Student-Teacher Interaction	60 %
2	Performance in In-semester Examination (F.Y. MH-CET Marks). (25 internal considered as 40%)	40%
	Total Weightage	100%

Parameter 1: The student-teacher-GFM interaction involves evaluation of students on following lines,

Q. No.	Question
1.	Attention in Class room/ Practical laboratory.
2.	Difficulty in understanding and grasping the content of the subject/s.
3.	Whether the student is curious, ask questions in theory/practical class, is proactive in answering question asked by teacher
4.	Problem solving ability of student during practical.
5.	Whether student proactively participate in activities conducted by college.
6.	Discipline or conduct during curricular/co-curricular/or extracurricular activities in college.

Each Question Carries 10 Marks

Parameter 2: The Percentage scored by students in in-semester (conducted by college) is considered for evaluation of S.Y. B. Pharm.



Subject: Pharmaceutical Organic Chemistry-II (BP301T)

❖ Identification of slow /advanced learners

For SECOND YEAR

Roll no.	Name of Student	Student –Teacher Interaction						Weightage (60%)	Exam Weightage (40%)	Total (A+B)
								A	B	
		Q.1	Q.2	Q.3	Q.4	Q.5	Q.6	Total (60)		
1	Gaurav Aathwale	5	6	4	4	5	6	30	25.6	55.6
2	Chetan Ahire	8	8	9	8	9	9	51	38.4	89.4
3	Roshan Ahire	7	7	8	9	8	8	47	35.2	82.2
4	SiddheshAlgot	4	4	5	4	5	6	28	25.6	53.6
5	Amol Bachhav	4	5	5	4	5	6	29	25.6	54.6
6	Rahul Bachhav	4	6	5	4	5	6	30	27.2	57.2
7	SakshiBagul	7	7	8	9	8	8	47	35.2	82.2
8	OmkarBarve	8	8	9	8	9	9	51	35.2	86.2
9	KunalBhamare	8	7	8	9	8	8	48	33.6	81.6
10	Pratik Bhamare	6	7	6	7	7	8	41	25.6	66.6
11	SarthakBhamare	7	6	7	7	5	6	38	30.4	68.4
12	NachiketBhamre	8	7	6	7	7	8	43	28.8	71.8
13	MitaliBhavsar	5	7	6	7	7	8	40	22.4	62.4
14	VaibhavBhoir	8	9	9	8	9	9	52	38.4	90.4
15	RavindraBidgar	8	8	9	8	9	9	51	38.4	89.4
16	Pooja Chaudhari	7	8	9	8	9	9	50	32	82
17	AshutoshChitte	6	7	6	7	7	8	41	25.6	66.6
18	SakshiChitte	5	8	9	8	9	9	48	32	80
19	Tejas Date	7	7	6	7	7	8	42	35.2	77.2
20	Anita Deogune	4	7	6	7	7	8	39	25.6	64.6
21	TareshDeore	5	6	5	4	5	6	31	22.4	53.4
22	Ganesh Dhembare	6	8	9	8	9	9	49	35.2	84.2
23	Sunny Dhengle	6	8	9	8	9	9	49	33.6	82.6
24	AartiDhikale	9	9	9	8	9	9	53	38.4	91.4
25	KaveriDhikale	8	8	9	8	9	9	51	38.4	89.4
26	Kiran Dhikale	8	8	9	8	9	9	51	28.8	79.8
27	Saurabh Dumbre	7	8	9	8	9	9	50	32	82
28	JogeenGaikar	9	9	9	8	9	9	53	38.4	91.4
29	Gaurav Gawade	8	8	9	8	9	9	51	33.6	84.6
30	Aditi Gawai	8	8	9	8	9	9	51	35.2	86.2
31	Kaushal Ghuge	5	6	5	4	5	6	31	24	55
32	DurgeshGhule	5	6	5	4	5	6	31	22.4	53.4
33	AkshayGite	5	6	5	4	5	6	31	22.4	53.4
34	PayalJadhav	8	7	6	7	7	8	43	28.8	71.8
35	Swati Jadhav	7	7	6	7	7	8	42	33.6	75.6
36	AnkitaJagtap	6	7	6	7	7	8	41	27.2	68.2



Matoshri Education Society's

MATOSHRI COLLEGE OF PHARMACY

Eklahare, Near Odhagaon, Aurangabad Highway, Tal. & Dist. Nashik,

37	Nisha Jaiswal	7	6	5	4	5	6	33		24	57
38	Abhishek Kadam	8	8	8	8	9	9	50		30.4	80.4
39	Gayatri Kadam	7	8	8	8	9	9	49		35.2	84.2
40	Swamini Kadam	7	7	6	7	7	8	42		25.6	67.6
41	Kanchan Kakad	6	7	6	7	7	8	41		30.4	71.4
42	Gaurav Kale	7	7	8	8	7	8	45		27.2	72.2
43	PrajaktaKapadne	5	6	5	4	5	6	31		25.6	56.6
44	Kanchan Kapse	6	7	8	8	7	8	44		33.6	77.6
45	Sunny Kathe	6	6	5	4	5	6	32		22.4	54.4
46	Raghunath Kendhale	6	7	8	8	7	8	44		28.8	72.8
47	MachindraKhairnar	AB	AB	AB	AB	AB	AB	AB		AB	AB
48	AartiKhule	8	9	8	8	7	8	48		35.2	83.2
49	Priyanka Lokhande	9	8	8	8	9	9	51		36.8	87.8
50	LalitaMahale	7	7	8	8	7	8	45		30.4	75.4
51	Ullhas Mali	7	8	6	7	7	6	41		35.2	76.2
52	Vaishnavi Mali	6	7	7	6	7	5	38		27.2	65.2
53	SanketMandlik	8	9	8	7	8	8	48		36.8	84.8
54	AlfiyaManiyar	7	6	6	7	7	6	39		35.2	74.2
55	Nikhil Mehetre	6	7	6	7	6	5	37		33.6	70.6
56	VaishnaviMhaske	7	6	6	5	7	8	39		30.4	69.4
57	JagdishNagare	5	6	5	6	7	6	35		24	59
58	ShivamNavale	7	6	5	5	6	5	34		36.8	70.8
59	Roshan Nikam	5	6	7	7	6	5	36		32	68
60	Rohan Pagar	8	9	8	7	8	8	48		36.8	84.8
61	Yogesh Pagar	6	5	6	7	6	5	35		30.4	65.4
62	AvishkarPalde	5	6	5	6	7	5	34		33.6	67.6
63	ChaitaliPalde	8	9	8	9	8	9	51		38.4	89.4
64	Abhishek Patil	7	8	9	8	8	9	49		30.4	79.4
65	Nikita Patil	8	7	8	7	8	7	45		36.8	81.8
66	Pooja Patil	6	6	5	5	7	6	35		32	67
67	AishwaryaPawar	9	8	8	9	9	8	51		38.4	89.4
68	DhananjayPawar	5	5	4	4	5	5	28		25.6	53.6
69	HarshalaPawar	7	6	5	6	6	5	35		32	67
70	SanketPawar	7	6	5	6	8	6	38		35.2	73.2
71	SayaliPawar	8	7	6	7	6	8	42		28.8	70.8
72	MayuriPotinde	7	6	8	6	7	8	42		25.6	67.6
73	SayaliRajole	6	5	7	6	5	6	35		33.6	68.6
74	Snehal Rajput	5	4	5	4	5	5	28		28.8	56.8
75	RushikeshRathod	4	5	6	4	5	6	30		24	54
76	Yogesh Rathod	7	7	5	6	8	6	39		27.2	66.2
77	Amruta Sable	7	6	6	5	6	5	35		32	67
78	HrishikeshSahane	8	7	7	8	6	7	43		22.4	65.4
79	RutujaSanap	7	5	7	6	7	8	40		25.6	65.6
80	ShahinaSayyed	7	5	6	8	4	5	35		35.2	70.2
81	Fareeha Shaikh	5	6	7	8	7	6	39		32	71
82	Yushra Shaikh	5	6	6	7	5	6	35		28.8	63.8
83	Gopal Shinde	AB	AB	AB	AB	AB	AB	AB		AB	AB
84	Pooja Shinde	5	6	5	6	7	5	34		35.2	69.2



Matoshri Education Society's

MATOSHRI COLLEGE OF PHARMACY

Eklahare, Near Odhagaon, Aurangabad Highway, Tal. & Dist. Nashik.

85	Swapnil Shinde	6	5	4	5	4	4	28		28.8	56.8
86	Dipak Shirsath	5	6	5	6	5	6	33		36.8	69.8
87	Danika Singh	6	5	4	5	5	6	31		32	63
88	Prasanna Sisodiya	7	6	8	7	6	7	41		24	65
89	Shubham Sonagare	4	5	3	4	3	2	21		20.8	41.8
90	Gayatri Sonawane	6	5	6	7	8	6	38		35.2	73.2
91	Shivani Sonawane	5	5	6	4	5	4	29		25.6	54.6
92	Sanket Tarle	4	3	4	5	4	4	24		22.4	46.4
93	Harshal Tote	5	4	4	5	4	5	27		25.6	52.6
94	Akash Tupe	7	4	5	4	4	5	29		33.6	62.6
95	Abhishek Ugale	5	6	5	6	4	5	31		25.6	56.6
96	Prachi Varhade	5	6	5	4	5	6	31		30.4	61.4
97	Sharayu Wagh	6	5	6	5	6	7	35		33.6	68.6
98	Vaibhavi Wagh	6	7	6	8	7	6	40		20.8	60.8
99	Yogesh Wankhede	6	5	4	7	6	7	35		24	59
100	Snehal Zoman	8	9	8	9	7	8	49		36.8	85.8
101	Nikhil Ahire	7	6	5	7	8	6	39		22.4	61.4
102	Tejas Aware	6	7	5	7	6	5	36		25.6	61.6
103	Akash Bangar	6	5	7	6	5	4	33		30.4	63.4
104	Vijay Bharasal	6	5	7	8	7	6	39		22.4	61.4
105	Priyanka Binnar	8	7	6	5	4	6	36		33.6	69.6
106	Arun Chopwad	6	5	4	6	5	7	33		28.8	61.8
107	Snehal Dalvi	8	7	7	8	6	7	43		27.2	70.2
108	Sagar Deshmukh	6	5	7	8	7	6	39		33.6	72.6
109	Ankit Jadhav	6	7	5	7	6	7	38		22.4	60.4
110	Shubham Kadam	6	5	7	5	6	7	36		27.2	63.2
111	Atharv Kulkarni	6	7	5	8	6	7	39		32	71
112	Deepika Kurne	6	5	7	6	7	5	36		27.2	63.2
113	Poonam Pachorkar	7	8	6	4	5	7	37		30.4	67.4
114	Arun Pawar	6	5	4	7	6	7	35		22.4	57.4
115	Yash Phulwani	6	5	7	6	5	7	36		22.4	58.4
116	Krishikesh Sonawane	6	5	7	4	6	5	33		32	65
117	Pranav Thosar	6	7	8	6	7	6	40		22.4	62.4
118	Arvind Vetel	6	7	5	8	6	7	39		24	63
119	Pallavi Walekar	6	5	7	8	6	7	39		24	63

Students scoring below 50 = slow learner, above 65 = advanced learner

Class Teacher

Birari M.N.

Academic In-charge

Mrs. Shinde P.R.

Principal Mrs.

Dr. Talele G.S.

Principal
Matoshri College of Pharmacy
Eklahare, Nashik - 422 105





Matoshri Education Society's
MATOSHRI COLLEGE OF PHARMACY
 Eklahare, Near Odhagaon, Aurangabad Highway, Tal. & Dist.
 Nashik.

Subject: Pharmaceutical Organic Chemistry-II (BP301T)

❖ List of advanced learners

For SECOND YEAR

Roll no.	Name of Student	Student –Teacher Interaction						Weightage (60%)	Exam Weightage (40%)	Total (A+B)
		Q.1	Q.2	Q.3	Q.4	Q.5	Q.6	A	B	
								Total (60)		
2	Chetan Ahire	8	8	9	8	9	9	51	38.4	89.4
3	Roshan Ahire	7	7	8	9	8	8	47	35.2	82.2
7	SakshiBagul	7	7	8	9	8	8	47	35.2	82.2
8	OmkarBarve	8	8	9	8	9	9	51	35.2	86.2
9	KunalBhamare	8	7	8	9	8	8	48	33.6	81.6
10	Pratik Bhamare	6	7	6	7	7	8	41	25.6	66.6
11	SarthakBhamare	7	6	7	7	5	6	38	30.4	68.4
12	NachiketBhamre	8	7	6	7	7	8	43	28.8	71.8
14	VaibhavBhoir	8	9	9	8	9	9	52	38.4	90.4
15	RavindraBidgar	8	8	9	8	9	9	51	38.4	89.4
16	Pooja Chaudhari	7	8	9	8	9	9	50	32	82
17	AshutoshChitte	6	7	6	7	7	8	41	25.6	66.6
18	SakshiChitte	5	8	9	8	9	9	48	32	80
19	Tejas Date	7	7	6	7	7	8	42	35.2	77.2
22	Ganesh Dhembare	6	8	9	8	9	9	49	35.2	84.2
23	Sunny Dhengle	6	8	9	8	9	9	49	33.6	82.6
24	AartiDhikale	9	9	9	8	9	9	53	38.4	91.4
25	KaveriDhikale	8	8	9	8	9	9	51	38.4	89.4
26	Kiran Dhikale	8	8	9	8	9	9	51	28.8	79.8
27	Saurabh Dumbre	7	8	9	8	9	9	50	32	82
28	JogeenGaikar	9	9	9	8	9	9	53	38.4	91.4
29	Gaurav Gawade	8	8	9	8	9	9	51	33.6	84.6
30	Aditi Gawai	8	8	9	8	9	9	51	35.2	86.2
34	PayalJadhav	8	7	6	7	7	8	43	28.8	71.8
35	Swati Jadhav	7	7	6	7	7	8	42	33.6	75.6
36	AnkitaJagtap	6	7	6	7	7	8	41	27.2	68.2
38	Abhishek Kadam	8	8	8	8	9	9	50	30.4	80.4
39	Gayatri Kadam	7	8	8	8	9	9	49	35.2	84.2
40	Swamini Kadam	7	7	6	7	7	8	42	25.6	67.6
41	Kanchan Kakad	6	7	6	7	7	8	41	30.4	71.4
42	Gaurav Kale	7	7	8	8	7	8	45	27.2	72.2
44	Kanchan Kapse	6	7	8	8	7	8	44	33.6	77.6



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MATOSHRI COLLEGE OF PHARMACY

Eklahare, Near Odhagaon, Aurangabad Highway, Tal. & Dist.
Nashik

46	Raghunath Kendhale	6	7	8	8	7	8	44	28.8	72.8
48	AartiKhule	8	9	8	8	7	8	48	35.2	83.2
49	Priyanka Lokhande	9	8	8	8	9	9	51	36.8	87.8
50	LalitaMahale	7	7	8	8	7	8	45	30.4	75.4
51	Ullhas Mali	7	8	6	7	7	6	41	35.2	76.2
52	Vaishnavi Mali	6	7	7	6	7	5	38	27.2	65.2
53	SanketMandlik	8	9	8	7	8	8	48	36.8	84.8
54	AlfiyaManiyar	7	6	6	7	7	6	39	35.2	74.2
55	Nikhil Mehetre	6	7	6	7	6	5	37	33.6	70.6
56	VaishnaviMhaske	7	6	6	5	7	8	39	30.4	69.4
58	ShivamNavale	7	6	5	5	6	5	34	36.8	70.8
59	Roshan Nikam	5	6	7	7	6	5	36	32	68
60	Rohan Pagar	8	9	8	7	8	8	48	36.8	84.8
61	Yogesh Pagar	6	5	6	7	6	5	35	30.4	65.4
62	AvishkarPalde	5	6	5	6	7	5	34	33.6	67.6
63	ChaitaliPalde	8	9	8	9	8	9	51	38.4	89.4
64	Abhishek Patil	7	8	9	8	8	9	49	30.4	79.4
65	Nikita Patil	8	7	8	7	8	7	45	36.8	81.8
66	Pooja Patil	6	6	5	5	7	6	35	32	67
67	AishwaryaPawar	9	8	8	9	9	8	51	38.4	89.4
69	HarshalaPawar	7	6	5	6	6	5	35	32	67
70	SanketPawar	7	6	5	6	8	6	38	35.2	73.2
71	SayaliPawar	8	7		7	6	8	42	28.8	70.8
				6						
72	MayuriPotinde	7	6	8	6	7	8	42	25.6	67.6
73	SayaliRajole	6	5	7	6	5	6	35	33.6	68.6
76	Yogesh Rathod	7	7	5	6	8	6	39	27.2	66.2
77	Amruta Sable	7	6	6	5	6	5	35	32	67
78	HrishikeshSahane	8	7	7	8	6	7	43	22.4	65.4
79	RutujaSanap	7	5	7	6	7	8	40	25.6	65.6
80	ShahinaSayyed	7	5	6	8	4	5	35	35.2	70.2
81	Fareeha Shaikh	5	6	7	8	7	6	39	32	71
84	Pooja Shinde	5	6	5	6	7	5	34	35.2	69.2
86	Dipak Shirsath	5	6	5	6	5	6	33	36.8	69.8
87	Danika Singh	6	5	4	5	5	6	31	32	63
88	PrasannaSisodiya	7	6	8	7	6	7	41	24	65
90	GayatriSonawane	6	5	6	7	8	6	38	35.2	73.2
94	Akash Tupe	7	4	5	4	4	5	29	33.6	62.6
96	PrachiVarhade	5	6	5	4	5	6	31	30.4	61.4
97	SharayuWagh	6	5	6	5	6	7	35	33.6	68.6
100	SnehalZoman	8	9	8	9	7	8	49	36.8	85.8
105	Priyanka Binnar	8	7	6	5	4	6	36	33.6	69.6
107	Snehal Dalvi	8	7	7	8	6	7	43	27.2	70.2



Matoshri Education Society's

MATOSHRI COLLEGE OF PHARMACY

Eklahare, Near Odhagaon, Aurangabad Highway, Tal. & Dist.
Nashik,

108	SagarDeshmukh	6	5	7	8	7	6	39	33.6	72.6
111	Atharv Kulkarni	6	7	5	8	6	7	39	32	71
112	DeepikaKurne	6	5	7	6	7	5	36	27.2	63.2
113	Poonam Pachorkar	7	8	6	4	5	7	37	30.4	67.4
116	KrishikeshSonawane	6	5	7	4	6	5	33	32	65

Class Teacher
Mrs. Birari M.N

Academic In-charge
Mrs. Shinde P.R

Principal
Dr. Talele G.S





Subject: Pharmaceutical Organic Chemistry-II (BP301T)

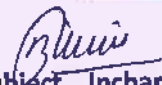
❖ List of slow Learner

Sr.No	Roll no.	Name of Student	Score
1	1	Gaurav Aathwale	50
2	2	Siddhesh Algat	50
3	5	Amol Bachhav	47
4	31	Kaushal Ghuge	44
5	32	Durgesh Ghule	44
6	33	Akshay Gite	44
7	43	Prajakta Kapadne	47
8	89	Shubham Sonagre	41

Measures taken for slow Learner

For slow Learner the additional Remedial classes are conducted.

Date	Time	Topic
18/11/2019	4:30-5:30 pm	Benzene & its derivatives, reaction of benzene nitration, halogenation, sulphonation, acylation etc
19/11/2019	9:00-10:00 am	Phenols & aromatic amines, acidity & basicity, effect of substituents on acidity & basicity of Phenols & aromatic amines.
20/11/2019	4:30-5:30 pm	Stereo isomerism, optical & geometrical isomerism
21/11/2019	4:30-5:30 pm	D & L System, R & S system, E & Z system Of Nomenclature
22/11/2019	4:30-5:30 pm	Polynuclear hydrocarbon synthesis, structure, uses of naphthalene, anthracene, phenanthrene
23/11/2019	9:00-10:00 am	synthesis, structure, uses of naphthalene, anthracene, triphenylmethane & their derivatives
25/11/2019	9:00-10:00 am	Cycloalkanes, different theories of stabilities


Subject Incharge
Mrs. Birari M.N.

Principal
Dr. Talele G.S.


Principal
Matoshri College of Pharmacy
Eklahare, Nashik - 422 105





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Eklahare, Near Odhagaon, Aurangabad Highway, Tal. & Dist. Nashik,
Nashik- 422 105. (M.S.) Ph. No.: 0253-2406687, 9552516050

Date: - 04/10/2019

Time Table for Sessional Theory Exam (Sem I, III,) 2019-2020

Sr. No.	Date	First Year (2019 P)	Second year (2018 P)
		Time 8:30AM to 10AM	Time 01:00 PM to 2:30PM
1	17/10/2019	Human Anatomy & Physiology -I (BP101T)	Pharmaceutical organic chemistry -I (BP301T)
2	18/10/2019	Pharmaceutical Analysis -I (BP102T)	Physical Pharmaceutics -I (BP302T)
3	22/10/2019	Pharmaceutics-I (BP 103T)	Pharmaceutical Microbiology (BP303T)
4	23/10/2019	Pharmaceutical Inorganic chemistry (BP 104T)	Pharmaceutical Engineering (BP 304T)
5	24/10/2019	Communication skills (BP105T)	Biochemistry
6	25/10/2019	Remedial Biology (BP106 RBT) /Remedial Mathematics (BP106 RMT)	Pathophysiology

Regone

Internal I/C
(2018/2019P)

prakash
CEO

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Principal

**Time Table for First sessional Theory Exam****First year and second year B. Pharmacy****(Sem II And Sem IV)**

Sr.No.	Date	First Year (2019 P)	Second year (2019 P)
		Time 9:00AM to 10:30AM	Time 1:00 PM to 2:30PM
1	2/3/2020	Human Anatomy & Physiology –II (BP201T)	Pharmaceutical organic chemistry -III (BP401T)
2	3/3/2020	Pharmaceutical Organic Chemistry I (BP202T)	Medicinal Chemistry I (BP402T)
3	4/3/2020	Biochemistry (BP 203T)	Physical Pharmaceutics –I (BP403T)
4	5/3/2020	Pathophysiology (BP 204T)	Pharmacology I (BP404T)
5	6/3/2020	Computer Applications in Pharmacy (BP205T)	Pharmacognosy I (BP405T)
6	9/3/2020	Environmental sciences (BP206T)	


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Time Table for Sessional Theory Exam (Sem I, III, V, VII) 2019-2020

Sr.	Date	Second year (2018P)	Date	First Year (2019)	Third Year (2015P)	Final year (2015P)
		Time 12:30 PM To 02:00 PM		Time 08:30 AM To 10:00 PM	Time 01:00 PM To 02:00 PM	Time 01:00 PM To 02:00 PM
1.	23/09/2019	Pharmaceutical organic Chemistry II (BP301 T)	30/09/2019	Human Anatomy & Physiology – I (BP101T)	Industrial Pharmacy-I (3.5.1 T)	Sterile Products (4.7 T)
2.	24/09/2019	Physical pharmaceutics I (BP302 T)	01/10/2019	Pharmaceutical Analysis – I (BP102T)	Pharmaceutical Analysis-III (3.5.2T)	Pharmaceutical Analysis V (4.7.2 T)
3.	25/09/2019	Pharmaceutical Microbiology (BP303 T)	03/10/2019	Pharmaceutics – I (BP103T)	Medicinal Chemistry-I (3.5.3T)	Medicinal Chemistry III (4.7.3 T)
4.	26/09/2019	Pharmaceutical Engineering (BP304 T)	04/10/2019	Pharmaceutical Inorganic Chemistry (BP104T)	Pharmacology-II (3.5.4T)	Pharmacology- IV(4.7.4 T)
5.	27/09/2019	Biochemistry	07/10/2019	Communication skills (BP105T)	Analytical Pharmacognosy & Extraction Technology (3.5.5T)	Natural Drug Technology (4.7.5 T)
6.	28/09/2019	Pathophysiology	09/10/2019	Remedial Biology (BP106RBT) / Remedial Mathematics (BP106RMT)	Pharmaceutical Business Management & Disaster Management (3.5.6T)	Bio-Pharmaceutics & Pharmacokinetics (4.7.6 T)
7.	-----	-----	10/10/2019	-----	Active Pharmaceutical Ingredients Technology (3.5.7T)	Pharmaceutical Jurisprudence (4.7. T)

B. G. G. G.

Internal I/C
(2018&2019 Pattern)

H. G. G. G.

Internal I/C
(2015&2013 Pattern)

N. G. G. G.
CEO

P. G. G. G.
Principal



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**Time Table for Improvement Theory Exam
 (2015, 2018 & 2019 pattern)**

Sr.No.	Date	Subject	Subject
		Time 8:30AM to 10AM	Time 12:30 PM to 2:00PM
1	4/11/2019	Human anatomy & Physiology- I	Biochemistry
		Inorganic chemistry	Microbiology (2015)
2	5/11/2019	Human anatomy & Physiology- II	Pharmaceutics -I
		Physical Pharmaceutics -I (2015)	PBM
3	6/11/2019	Organic chemistry I OC (2015)	Pharmaceutical Engineering
		Pathophysiology	Pharmaceutical Analysis I
4	7/11/2019	Computer Application	Environmental Science
		APIT	

Bagare
 Internal I/C
 (2015/2019P)

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Q.1

Define medicinal chemistry
 → medicinal chemistry is the chemistry discipline concerned with the design, development and synthesis of pharmaceutical drugs. It focused on drug design and chemical synthesis medicinal chemistry seeks to develop the therapeutic agent.

Q.2

Explain partition coefficient in relation biological action?

→

Partition coefficient finds importance as it directly influence drug transport and drug distribution. It is defined as ratio of concentration of compounds in phases of a mixture of two immiscible liquids at equilibrium. Eg phenobarbital has lipid/water partition coefficient of 50 whereas thiopentone sodium has a chloroform/water partition coefficient of about 10 which state that the latter is highly soluble in lipid. It is defined as equilibrium constant of drug concentration in two phase.

$$P(\text{unionised}) = \frac{[\text{drug}]_{\text{lipid}}}{[\text{drug}]_{\text{water}}}$$

$$P(\text{ionised}) = \frac{[\text{drug}]_{\text{lipid}}}{[1-a][\text{drug}]_{\text{water}}}$$

where α = degree of ionization in aqueous solution.

(c) Partition coefficient is difficult to measure in living system usually estimated *in vitro* by using octanol as lipid phase and phosphate buffer (pH 7.4) as the aq. phase.

(d) Factors affecting partition coefficient

(a) pH

(b) Co-solvents

(c) Surfactants

(d) Complexations

Applications of partition coefficient

(a) Drug absorption *in vivo* can be predicted

(b) SAR for series of drug can be studied

Q.3. Add a note on drug metabolism.

→ (1) Drug undergoes metabolism which leads to loss of its physiological activity and an increase in the polarity and water solubility of drug which results in more rapid elimination of metabolites.

(2) Metabolism of drug is generally characterised by two phases of reaction namely metabolic transformation and conjugation.

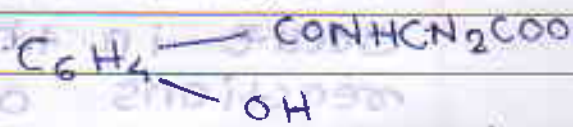
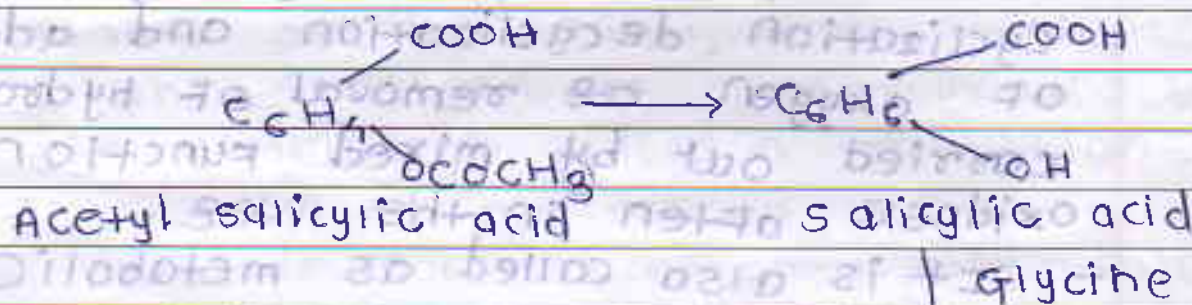
(3) Metabolic transformation are enzymatic reaction in which drug may undergo wide variety of oxidation, reduction and hydrolysis, resulting in the

introduction or unmasking functional groups which increase polarity and serve as a centre for second phase of metabolic reaction i.e. conjugation.

④ conjugation reactions are biosynthetic by which drug or its metabolites are combined with endogenous molecules, such as β -glucuronic acid, sulphate, amino acids, etc. making more polar molecules, less lipid soluble and thus readily excreted.

⑤ most drugs are metabolised, some extent by both phases ex...

metabolism of aspirin -



salicylic acid

Acetyl salicylic acid undergoes hydrolysis to salicylic acid (metabolic transformation) which then conjugated with glycine to form salicylic acid conjugation.

⑥ For drug metabolism liver is main site while other sites are placenta, skin, lung, gut or white blood cells also affect

platform for metabolism of drug.

⑦ while some drugs are considered biochemically inert, as they have been excreted unchanged, i.e. without any metabolic transformation.

e.g. barbitone, diethyl ether only because they cannot easily penetrate the lipoprotein membrane of tissues and were rapidly excreted by active transport mechanism of kidney.

Q.4 Define Phase-I and Phase II reaction.

→ Phase I reactions - may occur by oxidation, reduction, hydrolysis, cyclization, decyclization and addition or removal of oxygen or hydrogen carried out by mixed function.

oxidase often in the liver.

It is also called as metabolic transformation. Most of these reactions occur in the liver while hydrolytic reactions of ester and amide occur in the gut wall, plasma and the lungs.

Phase-II reaction:

Phase II reaction involves conjugation by coupling the drug or its metabolite to another molecule such as glucuronic acid, glycine, sulfate, etc. The substance that reacts

From metabolism may be inactive. or they may be similar to or different from the original drug in therapeutic activity or toxicity.

- In phase II metabolism involve reaction that chemically change the drug or phase I metabolites into compounds that are soluble enough to be excreted in urine.

Q5 Explain in short development of medicinal chemistry.

-
- ① stimulants and depressants were used to modify the mood and mental state of the psychiatric patients
 - ② The synthesis of chlorpromazine by it ultimately caused a revolution in treatment of schizophrenia
 - ③ The development of chromatographic technique allow isolation and characterization of a multitude of hormones from a single gland
 - ④ while various technique emerged subsequently to take process of drug development to new heights
 - ⑤ study of medicinal chemistry has certain objective some of them are =
 - (i) chemical pathways of drug metabolism can be studied
 - (ii) The study of structure activity

relationship (SAR) in relation of drug-target interaction.

(iii) chemical basis of pharmacology and therapeutics can known.

(iv) Application to make drug therapy decision.



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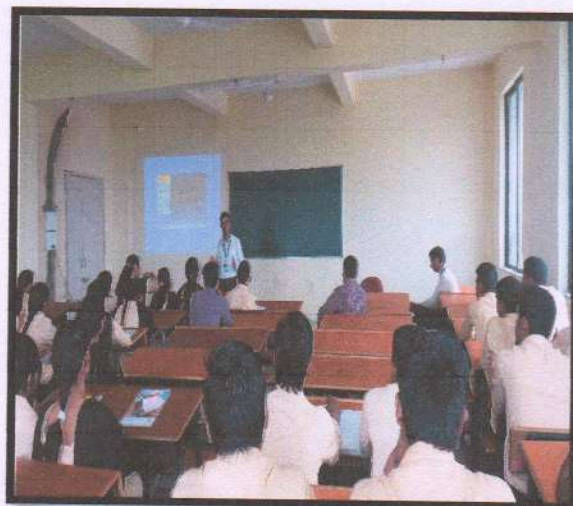
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E-mail ID: matoshripharmacy@rediffmail.com Website: www.pharmacy.matoshri.in

Approved by: All India council of Technical Education (AICTE), Pharmacy Council of India, New Delhi, Govt. of Maharashtra, DTE, Mumbai. Affiliated to: Savitribai Phule Pune University, Pune (ID.No.PU/NS/Pharm./163/2012) DTE Code: 5405

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Eklahare, Nashik - 422 105



Industrial visit At "Sci Tech Specialities Pvt.Ltd. Musalgaon, Sinnar" on 7th February 2020.



Annual Gathering





Industrial visit of final year B.Pharm students to **"Haffkine Bio-pharmaceutical Corporation Ltd."**pune.



NPW - Sports





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Group Discussion





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STEP-2.0: Screening Techniques in Experimental Pharmacology

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This is to endorse that,

Prashant V. Vyavahare

Prof./Dr./Mr./Ms./Mrs. _____

has actively participated as Resource Person/ Delegate/ Organizing Committee Member in the Indian Pharmacological Society sponsored Three Days Training Programme entitled "**STEP-2.0: Screening Techniques in Experimental Pharmacology**" held during 26th to 28th September, 2019.

Dr. Chandragouda R. Patil
Convener

Dr. Sanjay J. Surana
Principal



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**International Conference on
Challenges and Future Perspectives in
Pharmaceutical Sciences**

● 24th & 25th January 2020 ●



CERTIFICATE



This is to certify that ~~Dr./Mr./Mrs./Ms.~~ **Monali Nitin Birari** has attended two days Savitribai Phule Pune University, Pune sponsored International level conference entitled **"International Conference on Challenges and Future Perspectives in Pharmaceutical Sciences"** on **24th & 25th January 2020** as ~~Resource Person/Delegate/Poster Presentation~~, held at The Emerald Park, and Green view, Pancham Hall, Trimbakeshwar Road, Nashik. We duly acknowledge h/s/her participation.

Dr. R. R. Karmarkar

Program Co-ordinator/Organizing Secretary

Prof. Dr. R. S. Bhambar

Principal & Convener



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Matoshri College of Pharmacy

Eklahare, Nashik.

Savitribai Phule Pune University, Pune, Sponsored

Two Days State Level Seminar

on

Alternative To Preclinical Studies And Recent Approaches In Treating Chronic Disease

On 28th February and 1st March 2019

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r. / Prof. / Mr. / Mrs. /

Is. Birari Monali

as participated as a Delegate/ Special Invitee/ Resource Person/ Organizing Committee/
resented a poster in **TWO DAYS STATE LEVEL SEMINAR** entitled "**ALTERNATIVE TO
RECLINICAL STUDIES AND RECENT APPROACHES IN TREATING CHRONIC DISEASE**"
eld during 28th Feb – 1st March 2019 at **Matoshri College of Pharmacy, Eklahare, Nashik.**


Dargude N. S
Co-ordinator

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International Conference on
Innovations In Pharmaceutical Technologies

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This is to certify that Dr./Mr./Ms./Mrs. **MONALI NITIN BIRARI**

has participated as a Delegate in Two Days International Conference,

"Innovations in Pharmaceutical Technologies"

on 15th Feb. and 16th Feb. 2019, at MET's Bhujbal Knowledge City,

Institute of Pharmacy, Nashik, Maharashtra (India)

Dr. Santosh Chhajed
Co-ordinator

Dr. Deepak Bhambere
Co-ordinator

Dr. Sanjay J. Kshirsagar
Convener, Principal, MET, IOP



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Dr. R. R. Karmarkar

Program Co-ordinator/Organizing Secretary

Prof. Dr. R. S. Bhambar

Principal & Convener



Matoshri Education Society's



**Matoshri College of Engineering & Research
Centre Eklahare, Nashik**

Certificate of Appreciation

Dear ...Mrs. Shinde P.R.

We heartly Congratulate you for giving 100% result

in ...Pharmacology - III

at ...Matoshri College of Pharmacy

in academic year ...2018-19

We hope the similar performance in future.

Principal
(Dr. G.K.Kharate)



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Dr. R. R. Karmarkar

Program Co-ordinator/Organizing Secretary

Prof. Dr. R. S. Bhambar

Principal & Convener



Pharmacy Council of India Syllabus Orientation Workshop - 2019

Date: 29th Jan. 2019

Sponsored by

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Organised by

Mahatma Gandhi Vidyamandir's Pharmacy College, Panchavati,
Nashik - 422003, Maharashtra, INDIA



CERTIFICATE

This is to certify that Prof / Dr / Mr./Ms.....[✓]Shinde[✓] Poonam R.:..... has
attended the 'Pharmacy Council of India Syllabus Orientation Workshop - 2019' as Guest Speaker/
[✓]delegate / member of LOC / Volunteer, held at SSK Solitaire, Hotel & Banquets, Nashik on 29th Jan. 2019

Dr. T. N. Lokhande
Programme Co-ordinator

Dr. D. L. Attarde
Programme Co-ordinator

Dr. R.S. Bhambar
Principal & Chief Convener



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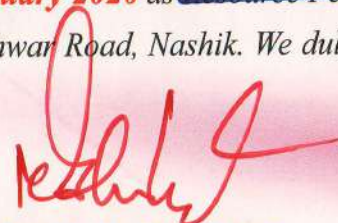
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This is to certify that Dr./Mr./Mrs./Ms. Sachin Nathu Kapse has attended two days Savitribai Phule Pune University, Pune sponsored International level conference entitled "**International Conference on Challenges and Future Perspectives in Pharmaceutical Sciences**" on 24th & 25th January 2020 as Resource Person/Delegate/Poster Presentation, held at The Emerald Park, and Green view, Pancham Hall, Trimbakeshwar Road, Nashik. We duly acknowledge his/~~her~~ participation.


Dr. R. R. Karmarkar

Program Co-ordinator/Organizing Secretary


Prof. Dr. R. S. Bhambar

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National Conference **SNJB PharmaCon-2019** on **Current Trends and Novel Techniques in
Pharmaceutical Research and Development** held on 18-19th November, 2019


Mr. M.S. Mahajan
Co-ordinator


Dr. A. B. Upaganlawar
Co-ordinator


Dr. C.D. Upasani
Convener