



VISHAL JUNNAR SEVA MANDAL'S

VISHAL INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH

Dr. S. L. Jadhav
Principal

Ale, Tal. Junnar, Dist. Pune-412411 | Contact No. : 9892376014 | E-mail : vjsm.principal@gmail.com | Website: www.viperale.com

P.C.I. Inst. Code : PCI-2620 | D.T.E. Inst. Code : 6361 | University I.D. No. : CPHP012670

1.1.1

The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment



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1. Institutional Academic Calendars

B. PHARM ACADEMIC YEAR 2017-18

Vishal Institute of Pharmaceutical Education and Research, Ale
Taluka Junnar Dist. -Pune 412411



ACA / D / 01

Department: All Departments
Academic Calender

Academic Year: 2017-18

Issue No. 01 Dated : 19-06-2017

Rev. No. 00 Dated 19-06-2017

ACADEMIC CALENDAR

Sr. No.	Events	Date
1	Commencement of academic	26/06/2017
2	World yoga day	21/ 06/2017
3	Tree plantation	01 /07/2017
4	NSS Camp (SwatchPandharawda)	First week of August 2017
5	Independents Day	15/08/2017
6	Dahihandi Ustav	Third week of August 2017
7	Fresher welcome day	Last week of August 2017
8	Teachers Day	05/09/2017
9	World Pharmacy day	25/09/2017
10	Sessional exam (Term I)	All classes Theory exam : First week of October 2017 2 nd sessional : for First Year & S.Y. theory exam: First week of November 2017 Practical: Before theory exam
11	Industrial Tour	Second week of October 2017
12	Diwali Vacation	2 weeks
13	Rashtriya ekta divas	31/10/2017
14	1 st Term End University Exam	Theory : First week of Dec 2017

**Vishal Institute of Pharmaceutical Education and
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ACA / D / 01

Department: All Departments

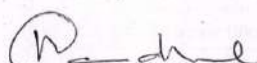
Academic Year: 2017-18

Academic Calender

Issue No. 01 Dated : 19-06-2017

Rev. No. 00 Dated 19-06-2017

		Practical: T.Y & Final Before theory exam F.Y & S.Y After theory exam
15	NSS Camp	Third week of Jan 2018
16	Blood donation camp	First week of February 2018
17	Pharmostav 2018	First week of February 2018
18	Republic Day	26/01/2018
19	University Foundation Day	10/02/2018
20	Sessional exam (Term II)	Theory exam :for all classes Last week of March 2018 2 nd sessional : for First Year & S.Y. theory exam: First week of last week of Feb 2018 Practical: Before theory exam
21	2 nd Term End University Exam	May 2018
22	Maharashtra day	01/05/2018
23	Summer Vacation	After 2 nd Term End University Exam


Academic Coordinator


Principal

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B. PHARM ACADEMIC YEAR 2018-19

**Vishal Institute of Pharmaceutical Education and
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ACA / D / 01

Department: All Departments

Academic Year: 2018-19

Academic Calender

Issue No. 01 Dated : 19-06-2017

Rev. No. 00 Dated 19-06-2017

ACADEMIC CALENDAR

Sr. No.	Events	Date
1	Commencement of academic	15/06/2018
2	World yoga day	21/06/2018
3	Tree plantation	01/07/2018
4	NSS Camp (SwatchPandharawda)	First week of August 2018
5	Independents Day	15/08/2018
6	Dahihandi Ustav	Third week of August 2018
7	Fresher welcome day	Last week of August 2018
8	Teachers Day	05/09/2018
9	World Pharmacy day	25/09/2018
10	Sessional exam (Term I)	All classes Theory exam : First week of October 2018 2 nd sessional : for First Year & S.Y. theory exam: First week of November 2018 Practical: Before theory exam
11	Industrial Tour	Second week of October 2018
12	Diwali Vacation	2 weeks
13	Rashtriya ekta divas	31/10/2018
14	1 st Term End University Exam	Theory : First week of Dec 2018 Practical: T.Y & Final Before theory exam



**Vishal Institute of Pharmaceutical Education and
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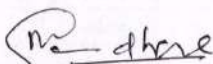
Department: All Departments
Academic Calender

Academic Year: 2018-19

Issue No. 01 Dated : 19-06-2017

Rev. No. 00 Dated 19-06-2017

		F.Y &S.Y After theory exam
15	NSS Camp	Third week of Jan 2019
16	Blood donation camp	First week of February 2019
17	Pharmostav 2018	First week of February 2019
18	Republic Day	26/01/2019
19	University Foundation Day	10/02/2019
20	Sessional exam (Term II)	Theory exam :for all year Last week of March 2019 2 nd sessional : For First Year & S.Y. theory exam: First week of last week of Feb 2019 Practical: Before theory exam
21	2 nd Term End University Exam	May2019
22	Maharashtra day	01/05/2019
23	Summer Vacation	After 2 nd Term End University Exam


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2/2

B. PHARM ACADEMIC YEAR 2019-20

VISHAL JUNNAR SEVA MANDALS
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AT- ALE, TAL - JUNNAR, DIST -PUNE MAHARASHTRA - 412411



ISO-certified 2009-2015

ACA / D / 01

Department: All Departments

Academic Year: 2019-20

Academic Calender

Issue No. 01 Dated : 19-06-2017

Rev. No. 00 Dated 19-06-2017

ACADEMIC CALENDAR

Sr. No.	Events	Date
1	Commencement of academic	17/06/2019
2	World yoga day	21/ 06/2019
3	Tree plantation	01 /07/2019
4	NSS Camp (SwachPandharawda)	First week of August 2019
5	Independents Day	15/08/2019
6	Dahihandi Ustav	Third week of August 2019
7	Fresher welcome day	Last week of August 2019
8	Teachers Day	05/09/2019
9	World Pharmacy day	25/09/2019
10	Sessional exam (Term I)	All classes Theory exam : First week of October 2019 2 nd sessional : for First Year & S.Y. theory exam: First week of November 2019 Practical: Before theory exam
11	Industrial Tour	Second week of October 2019
12	Diwali Vacation	2 weeks
13	Rashtriya ekta divas	31/10/2019
14	1 st Term End University Exam	Theory : First week of Dec 2019 Practical: T.Y & Final Before theory exam F.Y & S.Y After theory exam
15	NSS Camp	Third week of Jan 2020
16	Blood donation camp	First week of February 2020
17	Pharmostav 2019	First week of February 2020
18	Republic Day	26/01/2020
19	University Foundation Day	10/02/2020
20	Sessional exam (Term II)	Theory exam: For all Classes Last week of March 2020 2 nd sessional : For First Year & S.Y.

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		theory exam: First week of last week of feb 2019 Practical: Before theory exam
21	2 nd Term End University Exam	May2020
22	Maharashtra day	01/05/2020
23	Summer Vacation	After 2 nd Term End University Exam


Academic Coordinator




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B. PHARM ACADEMIC YEAR 2020-21



VISHAL JUNNAR SEVA MANDALS
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AT- ALE, TAL - JUNNAR, DIST - PUNE MAHARASHTRA -
412411

ACA / DI / 01

Department: All Departments

Academic Year: 2020-21

Rev. No. 00

Academic Calendar

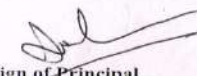
Dated 13-07-2020

Sr. No.	Events	Date
1	Commencement of academic classes online mode	13/07/2020
2	Independence day	15/08/2020
3	World pharmacist day	25/09/2020
4	Tree plantation day	30/09/2020
5	Gandhi jayanti	2/10/2020
6	Diwali vacation	5 days
5	Sessional exam term I	2 nd to Final year sessional exam in months October and December 2020
6	Ist term university exam	Months of jan.- feb2020
7	Sessional exam term I	2 nd to Final year sessional exam in months march and April 2021
8	2 nd term university exam	May -2021

Note : due to covid -19 first year schedules not started .


Academic Coordinator




Sign of Principal
PRINCIPAL
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B. PHARM ACADEMIC YEAR 2021-22



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412411

ACA / DI / 01

Rev. No. 00

Department: All Departments

Academic Calendar

Academic Year: 2021-22

Dated 17-08-2021

Sr. No.	Events	Date
1	Commencement Of Academic Classes Online Mode	17/08/2021
2	Diwali Vacation	9 Days
3	Sessional Exam Term I	2 nd To Final Year Sessional Exam In Months October And December 2021
4	Ist Term University Exam	Months Of Jan.- Feb2022
5	Sessional Exam Term I	2 nd To Final Year Sessional Exam In Months March And April 2022
6	2 nd Term University Exam	May -2022
7	Summer Vacation	June 2022 28 Days

Note : Due To Covid -19 First Year Schedules Not Started .



Coordinator

Sign of Principal

Issue 01 DATE: 19.06.2017

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M. PHARM. ACADEMIC YEAR 2018-19



VISHAL JUNNAR SEVA MANDALS
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ADMN/GEN/DI/01	DEPARTMENT : M. PHARMACY	A.Y. : 2018-19
RIV : 00	ACADEMIC CALENDAR	
DATE : 19/06/2017		

ACADEMIC CALENDAR

Sr. No.	Events	Date
1	Commencement of Academic	02/07/2018
2	Independents Day	15/08/2018
3	Bakri-id (Id-Ul-Zua)	22/08/2018
4	Fresher welcome day	31/08/2018
5	First Sessional exam (Term I)	Theory exam : First week of Sept 2018 Practical: First week of Sept 2018
6	Teachers Day	05/09/2018
7	Ganesh Chaturthi	13/09/2018
8	World Pharmacy day	25/09/2018
9	Mahatma Gandhi Jayanti	02/10/2018
10	Second Sessional exam (Term I)	Theory exam : Second week of Oct 2018 Practical: Second week of Oct 2018
11	Dasara	18/10/2018
12	Internal Seminars	Third week of Oct-2018
13	Diwali Vacation	
14	1 st Term End University Exam	Theory : Last week of Oct 2018 Practical: Last week of Oct 2018


 (Academic Coordinator)


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VISHAL JUNNAR SEVA MANDALS
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ADMN/GEN/DI/01	DEPARTMENT : M. PHARMACY	A.Y.: 2018/19
RIV:00	ACADEMIC CALENDAR	
DATE: 19/06/2017		

15	Commencement of Second Academic Term	29/11/2018
16	Christmas	25/12/2018
17	First Sessional exam (Term II)	Theory exam : Last week of Dec 2018 Practical: Last week of Dec 2018
18	Republic Day	26/01/2019
19	University Foundation Day	10/02/2019
20	Chatrapati Shivaji Maharaj Jayanti	19/02/2019
21	Pharmostav 2019	First week of February 2019
22	Mahashivratri	04/03/2019
23	Holi	21/03/2019
24	Second Sessional exam (Term II)	Theory exam : Last week of March 2019 Practical: Last week of March 2019
13	Gudhipadwa	06/04/2019
16	Maharashtra day	01/05/2018
15	2 nd Term End University Exam	Theory : First week of May 2019 Practical: First week of May 2019
17	Summer Vacation	After 2 nd Term End University Exam


(Academic coordinator)


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ACADEMIC YEAR 2019-20



Vishal Junnar Seva Mandal's
Vishal Institute Of Pharmaceutical Education And Research
 A/P- Ale, Tal-Junnar, Dist-Pune, Maharashtra – 412411

ACA/DI/01	Department: All Department	Academic Year: 2019-20
Rev : 01 Dated 19-06-2017	Academic Calender (M.Pharm.)	

SR. No.	Events	Date
01	Commencement of Academic	01/07/2019
02	Tree Plantation	01/07 to 07/07/2019
03	Bakri Id	12/08/2019
04	Independence Day	15/08/2019
05	Parshi New Year	17/08/2019
06	Dahi Handi Utsav	Third week of August 2019
07	Freshers Welcome Day	Last week of Aug 2019
08	Teachers Day	05/09/2019
09	World Pharmacy Day	25/09/2019
10	Sessional Examination (Term-I)	First week of October 2019 2 nd Sessional: First week of Nov.2019 Practical After Theory Exam
11	Industrial Tour	2 nd week of Oct. 2019
12	Diwali Vacation	2 Weeks
13	Rashtriya Ekta diwas	31/10/2019
14	1st Term End University Examination	Theory- 1 st week of Dec.2019 Practical After Theory Exam.
15	Commencement of Second Term	01/01/2020
15	Republic Day	26/01/2020
16	Blood Donation Camp	First week of Feb.2020
17	Pharmastov 2010	First week of Feb.2020





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ACA/DI/01	Department: All Department	Academic Year: 2019-20
Rev : 01 Dated 19-06-2017	Academic Calender (M.Pharm.)	

18	University Foundation Day	10/02/2020
19	Sessional Examination (Term-II)	Last week of Mar. 2020 2 nd Sessional: Last week of Apr.2019 Practical After Theory Exam
20	II nd Term End University Examination	Theory- 2 nd week of May 2020 Practical After Theory Exam.
21	Summer Vacation	After 2 nd Term End University Exam



NOTE: ANY ADDITION/CHANGE/REMOVE IN ABOVE SCHEDULE

Prepared By:

Approved By:


Principal
PRINCIPAL

Copy To:

1. CEO
2. Principal
3. Staff

VISHAL INSTITUTE OF PHARMACEUTICAL
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M. PHARM ACADEMIC YEAR 2020-21



Vishal Junnar Seva Mandal's
Vishal Institute Of Pharmaceutical Education And Research
A/P- Ale, Tal-Junnar, Dist-Pune, Maharashtra – 412411

ACA/DI/01	Department: All Department	Academic Year: 2020-21
Rev : 01 Dated 19-06-2017	Academic Calender (M.Pharm.)	

SR. No.	Events	Date
01	Commencement of Academic (First Year)	01/07/2020 28/01/2021
02	Independence Day	15/08/2020
03	Teachers Day	05/09/2020
04	World Pharmacy Day	25/09/2020
05	Sessional/Internal Examination (Term-I)	Second week of Nov 2020 2 nd Sessional: First week of Jan 2021 Practical After Theory Exam
06	Sessional Examination (Term-I) (First Year)	Sessional: Last week of Mar 2021 Practical After Theory Exam
07	Diwali Vacation	2 Weeks
08	Conclusion of First Term (First Year)	22/05/2021
09	Ist Term End University Examination (First Year)	Theory- Last week of May 2021 Practical After Theory Exam.
10	Commencement of Second Term (First Year)	01/01/2021 15/06/2021
11	Republic Day	26/01/2021
12	University Foundation Day	10/02/2021
13	Sessional Examination (Term-II)	Last week of Mar. 2021
14	Sessional Examination (Term-I) (First Year)	Sessional: Third week of June 2021 2 nd Sessional: First Week of July 2021 Practical After Theory Exam
15	II nd Term End University Examination	Theory- Last Week of Aug 2021 Practical After Theory Exam.
16	Summer Vacation	After 2 nd Term End University Exam

NOTE: ANY ADDITION/CHANGE/REMOVE IN ABOVE SCHEDULE

Prepared By:

Approved By:

Principal

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3. Staff

M. PHARM ACADEMIC YEAR 2021-22



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Vishal Institute Of Pharmaceutical Education And Research
A/P- Ale, Tal-Junnar, Dist-Pune, Maharashtra - 412211



ACA/DI/01	Department: All Department	Academic Year: 2021-22
Rev : 01 Dated 19-06-2017	Academic Calendar (M.Pharm.)	

SR. No.	Events	Date
01	Commencement of Academic (First Year)	20/08/2021 10/12/2021
02	Ganesh Chaturthi	10/09/2021
03	Teachers Day	05/09/2021
04	World Pharmacy Day	25/09/2021
05	Sessional/Internal Examination (Term-I) (First Year)	Second week of Oct. 2021
06	Sessional Examination (Term-I) (First Year) (First Year)	First Week of Nov. 2021
07	Diwali Vacation	2 Weeks
08	Conclusion of First Term (First Year)	12/11/2021
09	Ist Term End University Examination (First Year)	Theory- Last week of Nov 2021 Theory- Practical After Theory Exam.
10	Commencement of Second Term (First Year)	03/01/2022
11	Republic Day	26/01/2022
12	University Foundation Day	10/02/2022
13	Sessional Examination (Term-II)	
14	Sessional Examination (Term-I) (First Year)	
15	II nd Term End University Examination	Last week of May 2022 Theory- Practical After Theory Exam.
16	Summer Vacation	After 2 nd Term End University Exam

NOTE: ANY ADDITION/CHANGE/REMOVE IN ABOVE SCHEDULE

Prepared By:

Approved By:

Principal

PRINCIPAL

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EDUCATION AND RESEARCH
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P.C.I. Inst. Code : PCI-2620 | D.T.E. Inst. Code : 6361 | University I.D. No. : CPHP012670

2. University Academic Calendars

Savitribai Phule Pune University
(Formerly University of Pune)



Circular No. 79 of 2017



Dates of Commencement and Conclusion of terms for the Academic Year 2017-2018

For Affiliated Colleges Only.

It is hereby informed that, the dates of commencement and conclusion of the first and second term of University Courses, under various faculties, for the academic year 2017-2018 shall be as under :

Sr. No.	Name of the Courses	2017-18			
		First Term		Second Term	
		Commencement	Conclusion	Commencement	Conclusion
1	Arts & Fine Arts	15/06/2017	18/10/2017	13/11/2017	30/04/2018
	Mental, Moral and Social Sciences				
2	Science	15/06/2017	18/10/2017	13/11/2017	30/04/2018
	Engineering : SE, TE, BE & MCA- II, & III Year	15/06/2017	18/10/2017	18/12/2017	23/04/2018
	Engineering : ME - II Year.	01/07/2017	28/10/2017	15/01/2018	19/05/2018
	B. Architecture II, III, IV & V Year.	05/06/2017	23/09/2017	04/12/2017	24/03/2018
	M. Architecture II Year.	10/07/2017	04/11/2017	26/12/2017	13/04/2018
	B. Pharmacy	19/06/2017	30/11/2017	21/12/2017	04/05/2018
	M. Pharmacy	17/07/2017	09/12/2017	11/01/2018	30/05/2018
3	Commerce	15/06/2017	18/10/2017	13/11/2017	30/04/2018
	Management	01/07/2017	09/12/2017	26/12/2017	05/05/2018
4	Law : UG & PG (II/III/IV/V Year.)	15/06/2017	18/10/2017	13/11/2017	30/04/2018
	Education II Year.	01/07/2017	28/10/2017	23/11/2017	15/05/2018
	Physical Education II Year.				

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

Savitribai Phule Pune University
(Formerly University of Pune)



Circular No. 67 of 2018

**Dates of Commencement and Conclusion of terms for the Academic Year 2018-2019
For Affiliated Colleges Only.**

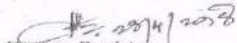
It is hereby informed that, the dates of commencement and conclusion of the First and Second term of University Courses, under various faculties, for the academic year 2018-2019 shall be as under :

Sr. No.	Name of the Courses and Faculties	2018-19			
		First Term		Second Term	
		Commencement	Conclusion	Commencement	Conclusion
1	Science & Technology				
	Science	15/06/2018	03/11/2018	29/11/2018	30/04/2019
	Engineering : SE,TE,BE & MCA- II, & III Year	15/06/2018	03/11/2018	17/12/2018	25/04/2019
	Engineering :ME - II Year.	02/07/2018	03/11/2018	15/01/2019	20/05/2019
	B.Architecture II, III, IV & V Year.	15/06/2018	03/11/2018	29/11/2018	30/04/2019
	M. Architecture II Year.	02/07/2018	03/11/2018	17/12/2018	30/04/2019
	B. Pharmacy	15/06/2018	03/11/2018	29/11/2018	30/04/2019
	M. Pharmacy	02/07/2018	03/11/2018	29/11/2018	15/05/2019
2	Commerce & Management				
	Commerce	15/06/2018	03/11/2018	29/11/2018	30/04/2019
	Management	02/07/2018	03/11/2018	29/11/2018	15/05/2019
3	Humanities				
	Arts & Fine Arts	15/06/2018	03/11/2018	29/11/2018	30/04/2019
	Mental Moral and Social Sciences				
	Law : UG & PG (II/III/IV/V Year.)	15/06/2018	03/11/2018	29/11/2018	30/04/2019
4	Inter-disciplinary Studies				
	Education II Year.	02/07/2018	03/11/2018	29/11/2018	15/05/2019
	Physical Education II Year.				

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

NOTE

1. In case, the Principal of the Affiliated Colleges require to give additional day in exceptional circumstances, he/she may do so by compensating the same by keeping the College working on Sunday.
2. The Term & holidays for the Post-graduate courses conducted in the Colleges/Institutes will be as per the University Department.
3. Details of Various Activities for Engineering and Architecture Courses for the Academic Year 2018-19 attached Separately.


Deputy Registrar
(P.G.Admission)

Ganeshkhind, Pune-07
Ref. No. PGS/ 1333
Date: 23/04/2018

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

Savitribai Phule Pune University
(Formerly University of Pune)



Circular No. 77 of 2019

**Dates of Commencement and Conclusion of terms for the Academic Year 2019-2020
For affiliated Colleges/recognised Institutes Only.**

It is hereby informed that, the dates of commencement and conclusion of the First and Second term of University Courses, under various faculties, for the academic year 2019-2020 shall be as under :

Sr. No.	Name of the Courses and Faculties	2019-2020			
		First Term		Second Term	
		Commencement	Conclusion	Commencement	Conclusion
1	Science & Technology				
	Science	15/06/2019	24/10/2019	20/11/2019	30/04/2020
	Engineering : SE, TE, BE & MCA- II, & III Year	15/06/2019	05/11/2019	16/12/2019	27/04/2020
	Engineering :ME - II Year.	01/07/2019	09/11/2019	13/01/2020	23/05/2020
	B.Architecture II, III, IV & V Year.	15/06/2019	16/10/2019	09/12/2019	04/04/2020
	M. Architecture II Year.	08/07/2019	02/11/2019	09/12/2019	04/04/2020
	B. Pharmacy	15/06/2019	24/10/2019	20/11/2019	30/04/2020
	M. Pharmacy	01/07/2019	07/12/2019	01/01/2020	15/05/2020
2	Commerce & Management				
	Commerce	15/06/2019	24/10/2019	20/11/2019	30/04/2020
	Management	01/07/2019	07/12/2019	01/01/2020	15/05/2020
3	Humanities				
	Arts & Fine Arts	15/06/2019	24/10/2019	20/11/2019	30/04/2020
	Mental Moral and Social Sciences				
	Law : UG & PG (II/III/IV/V Year.)	01/07/2019	07/12/2019	17/01/2020	31/05/2020
4	Inter-disciplinary Studies				
	Education II Year. (B.Ed., M.Ed.)	01/07/2019	07/12/2019	01/01/2020	15/05/2020
	Physical Education II Year. (B.P.Ed., M.P.Ed.)	01/07/2019	07/12/2019	01/01/2020	15/05/2020

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

[Signature]

NOTE

1. In case, the Principal/Director of the affiliated Colleges/recognised Institutes require to give additional holiday in exceptional circumstances, he/she may do so by compensating the same by keeping the College working on Sunday.
2. The Term & holidays for the Post-graduate courses conducted in the Colleges/Institutes will be as per the University Department.
3. Details of Various Activities for Engineering and Architecture Courses for the Academic Year 2019-20 attached Separately.




Deputy Registrar
(P.G.Admission)

Ganeshkhind, Pune-07
Ref. No. PGS/1355
Date: 26/04/2019

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

Savitribai Phule Pune University
(Formerly University of Pune)



Circular No. 233 of 2019



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

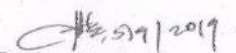
It is hereby informed that, the revised dates of commencement and conclusion of the first and second term of University Courses, under the faculty of Science & Technology (B.Pharmacy) for the academic year 2019-20 shall be as under :

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	01/01/2020	30/04/2020

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/3153
Date: 05/09/2019

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.

Savitribai Phule Pune University
(Formerly University of Pune)



Circular No. 284 of 2020

Important Notification



**Dates of Commencement and Conclusion of Ist & IInd terms for the Academic Year 2020-2021
For affiliated Colleges/recognised Institutes Only.**

It is hereby informed that, the dates of Commencement and conclusion of the Ist and IInd term of for the Academic Year 2020-2021 University Courses, under various faculties shall be as under :

Dates of Commencement and conclusion of First Year of academic session 2020-21 will be declared later.

Sr. No.	Name of the Courses and Faculties	2020-2021			
		First Term		Second Term	
		Commencement	Conclusion	Commencement	Conclusion
1	Science & Technology				
	Science	15/06/2020	05/12/2020	01/01/2021	15/05/2021
	Engineering : SE,TE,BE	15/06/2020	05/12/2020	01/01/2021	15/05/2021
	Engineering :ME - II Year. MCA- II & III Year	01/07/2020	24/12/2020	19/01/2021	31/05/2021
	B.Architecture II, III, IV & V Year.	15/06/2020	05/12/2020	01/01/2021	15/05/2021
	M. Architecture II Year.	01/07/2020	24/12/2020	19/01/2021	31/05/2021
	B. Pharmacy	15/06/2020	05/12/2020	01/01/2021	15/05/2021
	M. Pharmacy	01/07/2020	24/12/2020	19/01/2021	31/05/2021
2	Commerce & Management				
	Commerce	15/06/2020	05/12/2020	01/01/2021	15/05/2021
	Management	01/07/2020	24/12/2020	19/01/2021	31/05/2021
3	Humanities				
	Arts & Fine Arts	15/06/2020	05/12/2020	01/01/2021	15/05/2021
	Mental Moral and Social Sciences				
	Law : UG & PG (II/III/IV/V Year.)	01/07/2020	24/12/2020	19/01/2021	31/05/2021
4	Inter-disciplinary Studies				
	Education II Year. (B.Ed., M.Ed.)	01/07/2020	24/12/2020	19/01/2021	31/05/2021
	Physical Education II Year. (B.P.Ed., M.P.Ed.)	01/07/2020	24/12/2020	19/01/2021	31/05/2021



-- 2 --

NOTE

1. In view of prevailing COVID-19 situation in the Country, Colleges / Institutes shall required to follow the guidelines / instructions issued by the Government of Maharashtra time to time.
2. In case, the Principal of the affiliated Colleges require to give additional holiday in exceptional circumstances, he may do by the compensating the same by keeping the College working on Sunday.
3. The Term & holidays for the Post-Graduate courses conducted in the Colleges/Institutes will be as per the University Department.

[Signature] 16/10/2020
Deputy Registrar
(P.G.Admission)

Ganeshkhind, Pune-07
Ref. No. PGS/ 1817
Date: 15/10/2020

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

Savitribai Phule Pune University
(Formerly University of Pune)



Circular No. 134 of 2021

Important Notification

Dates of Commencement and Conclusion of terms of U.G. / P.G. Courses for the Academic Year 2021-22 For affiliated Colleges/recognised Institutes.

It is hereby informed that, the dates of Commencement and conclusion of terms of U.G. / P.G. Courses for the Academic Year 2021-2022, under various faculties shall be as under :

The date of Commencement and Conclusion of the academic session of the first year of all those courses whose admission was made/ will be made under Common Entrance Examination (CET) conducted by the Government/SPPU will be announced separately.

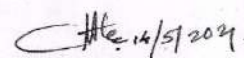
Sr. No.	Name of the Faculty	Name of the Courses	Year	2021 - 2022			
				First Term		Second Term	
				Commencement	Conclusion	Commencement	Conclusion
1	Science & Technology	Science	I, III	15/06/2021	20/10/2021	15/11/2021	30/04/2022
			II	01/07/2021	20/10/2021	15/11/2021	30/04/2022
		Engineering	TE, BE	15/06/2021	20/10/2021	15/11/2021	30/04/2022
			SE	20/08/2021	12/11/2021	03/01/2022	15/05/2022
		ME, MCA	II	20/08/2021	12/11/2021	03/01/2022	15/05/2022
		B.Architecture	III, IV & V	15/06/2021	20/10/2021	15/11/2021	30/04/2022
			II	20/08/2021	12/11/2021	03/01/2022	15/05/2022
		M. Architecture	II	20/08/2021	12/11/2021	03/01/2022	15/05/2022
		B. Pharmacy	III & IV	15/06/2021	20/10/2021	15/11/2021	30/04/2022
			II	20/08/2021	12/11/2021	03/01/2022	15/05/2022
		M. Pharmacy	II	20/08/2021	12/11/2021	03/01/2022	15/05/2022
2	Commerce & Management	Commerce	I, III	15/06/2021	20/10/2021	15/11/2021	30/04/2022
			II	01/07/2021	20/10/2021	15/11/2021	30/04/2022
		Management	II	15/11/2021	03/03/2022	11/03/2022	30/06/2022



Sr. No.	Name of the Faculty	Name of the Courses	Year	2021 - 2022			
				First Term		Second Term	
				Commencement	Conclusion	Commencement	Conclusion
3	Humanities	Arts & Fine Arts	I, III	15/06/2021	20/10/2021	15/11/2021	30/04/2022
			II	01/07/2021	20/10/2021	15/11/2021	30/04/2022
		Mental, Moral and Social Sciences	I, III	15/06/2021	20/10/2021	15/11/2021	30/04/2022
			II	01/07/2021	20/10/2021	15/11/2021	30/04/2022
		Law : UG & PG	III, IV & V	01/07/2021	11/12/2021	01/01/2022	20/05/2022
		B.A. LL.B. 5 Yrs	II	11/10/2021	31/01/2022	05/2/2022	31/05/2022
4	Inter-disciplinary Studies	LL.B. 3 Years	II	11/10/2021	31/01/2022	05/2/2022	31/05/2022
		Education (B.Ed.)	II	15/09/2021	06/01/2022	17/01/2022	10/05/2022
		Education (M.Ed.)	II	15/09/2021	06/01/2022	17/01/2022	10/05/2022
		Physical Education (B.P.Ed.)	II	15/09/2021	06/01/2022	17/01/2022	10/05/2022
		Physical Education (M.P.Ed.)	II	15/09/2021	06/01/2022	17/01/2022	10/05/2022

NOTE

1. In view of prevailing COVID-19 situation in the Country, Colleges / Institutes shall required to follow the guidelines / instructions issued by the Government of Maharashtra time to time.
2. In case the Principal of the Affiliated Colleges require to give additional holiday in exceptional circumstances, he may do by the compensative the same by keeping the college working on Sunday.
3. The college are required to complete the theory and practical remaining syllabus of current term of academic year 2020-21.


 Uttam R. Chavan
 Deputy Registrar
 (P.G. Admission)

Ganeshkhind, Pune-07
 Ref. No. PGS/ 1961
 Date: 14/05/2021

Copy to:

The Heads of all University Departments, Savitribai Phule Pune University, Pune.
 The Principals of all Affiliated Colleges, Savitribai Phule Pune University, Pune.
 The Directors of all Recognized Institutes, Savitribai Phule Pune University, Pune.

Copy to: for information

The Members of the Management Council , Savitribai Phule Pune University, Pune.
 The Registrar, Savitribai Phule Pune University, Pune.
 The Deans of Faculties, Savitribai Phule Pune University, Pune.
 The Director, Examinations & Evaluation, Savitribai Phule Pune University, Pune.



VISHAL JUNNAR SEVA MANDAL'S

VISHAL INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH

Dr. S. L. Jadhav
Principal

Ale, Tal. Junnar, Dist. Pune-412411 | Contact No. : 9892376014 | E-mail : vjsm.principal@gmail.com | Website: www.viperale.com

P.C.I. Inst. Code : PCI-2620 | D.T.E. Inst. Code : 6361 | University I.D. No. : CPHP012670

3. Fresher's Day Report

FRESHER'S DAY	
DATE	NUMBER OF STUDENTS PARTICIPATED
31/08/2017	All Staff and Students



Fresher's Day.

Brief Report of the Activity:

On the occasion of welcome party second year students welcome the first year students by arranging few fanny gamès with giving chocolates. In this program few speeches of student and staff was arranged. At the end of the program snacks was distributed to all staff and participants.

This program conducted smoothly and successfully.


PRINCIPAL
 VISHAL INSTITUTE OF PHARMACEUTICAL
 EDUCATION AND RESEARCH
 ALE TAL-JUNNAR DIST-PUNE 412411



FRESHER'S PARTY

DATE	NUMBER OF STUDENTS PARTICIPATED
14-09-2018	All Staff and Students



Fresher's Party.

Brief Report of the Activity:

On the occasion of welcome party second year students welcome the first year students by arranging few fanny games with giving chocolates. In this program few speeches of student and staff was arranged. At the end of the program snacks was distributed to all staff and participants.

This program conducted smoothly and successfully.


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EDUCATION AND RESEARCH
ALE TAL-JUNNAR DIST-PUNE 412411



FRESHER'S PARTY

DATE	NUMBER OF STUDENTS PARTICIPATED
14-09-2019	All Staff and Students



Fresher's Party.

Brief Report of the Activity:

On the occasion of welcome party second year students welcome the first year students by arranging few fanny games with giving chocolates. In this program few speeches of student and staff was arranged. At the end of the program snacks was distributed to all staff and participants.

This program conducted smoothly and successfully.


PRINCIPAL

VISHAL INSTITUTE OF PHARMACEUTICAL
EDUCATION AND RESEARCH
ALE TAL-JUNNAR DIST-PUNE 412411



FRESHERS PARTY	
DATE	NUMBER OF STUDENTS PARTICIPATED
10/2/2023	68



FRESHERS PARTY Brief Report of the Activity

On the occasion of welcome party second year students welcome the first year students by arranging few funny games with giving chocolates. In this program few speeches of student and staff was arranged. At the end of the program snacks was distributed to all staff and participants. Miss Anushka Kumbhar wins Miss Freshers and Mr. Tambde Ajay wins Mr. Fresher Award.

This program conducted smoothly and successfully.



(Signature)
PRINCIPAL

VISHAL INSTITUTE OF PHARMACEUTICAL
EDUCATION AND RESEARCH
ALE TAL-JUNNAR DIST-PUNE 412411



VISHAL JUNNAR SEVA MANDAL'S

VISHAL INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH

Dr. S. L. Jadhav
Principal

Ale, Tal. Junnar, Dist. Pune-412411 | Contact No. : 9892376014 | E-mail : vism.principal@gmail.com | Website: www.viperale.com

P.C.I. Inst. Code : PCI-2620 | D.T.E. Inst. Code : 6361 | University I.D. No. : CPHP012670

4. Sample Academic File



**Vishal Institute of Pharmaceutical Education and
Research, Ale
Taluka Junnar Dist. -Pune 412411**

ACA / DI / 06

Rev. No. 00

Date: 19-06-2017

**Department: All Departments
Academic File Index**

Academic Year: 2017-18

Name of Faculty: **Mr. DESHMUKH D.B**

Sr. No.	List of documents
1.	Academic Calendar
2.	Faculty Time-table
3.	Class Time-table
4.	Mentor form
5.	University Syllabus
6.	Teaching Plan
7.	Syllabus completion report
8.	Internal Exam Question Papers
9.	Internal Exam Mark sheet
10.	Internal Exam mark sheet (university)
11.	University Exam Question Papers
12.	Student Attendance Register
13.	Exam related orders & Attendance certificate
14.	Research paper
15.	Conference / Seminar certificate
16.	Research Grant Document


Subject Teacher


Academic Coordinator

Issue 01 DATE: 19.06.2017



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**Vishal Institute of Pharmaceutical Education and
Research, Ale
Taluka Junnar Dist. -Pune 412411**

ACA / DI / 04

Department: All Departments

Academic Year: 2017-18

Rev No. 00

Faculty Time Table

Dated : 19-06-2017

Sr.No	Name	Mon	Tue	Wed	Thu	Fri	Sat
01	Mr.Deshmukh D.B.	PC-IV practical (C) (10:00 to 1:00)	PC-II Theory (10:00 to 11:00)	PC-II Theory (10:00 to 11:00)	PC-IV practical (A) (10:00 to 1:00)	PC-IV practical (B) (10:00 to 1:00)	PC-IV Theory (10:00 to 11:00)
		PC-II practical (C) (1:45 to 4:30)	PC-II practical (A) (1:45 to 4:30)	PC-II practical (B) (1:45 to 4:30)	PC-IV Theory (2:30 to 3:30)	PC-IV Theory (1:30 to 2:30)	PC-IV Theory (1:30 to 2:30)

Sign of Academic Coordinator



Sign of Principal

Issue 01 DATE: 19.06.2017

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**Vishal Institute of Pharmaceutical Education and Research, Ale
Taluka Junnar Dist. - Pune 412411**

ACA / DI / 03

Department: All Departments

Academic Year: 2017-18

Time Table

Issue No. 01 Dated : 19-06-2017

Rev. No. 00 Dated 19-06-2017

T.Y.B.PHARM SEM V						
Days / Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
10.00am TO 11.00am	Pharmaceutical Business & Disaster Management (ASB)	Pharmacology - II (DBD)	Pharmacology - II (DBD)	Analytical Pharmacognosy & Extraction Technology (SK)	Pharmaceutical Business & Disaster Management (ASB)	Pharmaceutical Analysis III (ASB) Pract A Batch (10.00 To 1.00pm)
11.00am TO 12.00pm	Medi. Chem.- I (GAL)	Active Pharmaceutical Ingredients Technology (SGP)	Industrial Pharmacy I (RUG)	Pharmaceutical Business & Disaster Management (ASB)	Pharmaceutical Analysis III (MBH)	Medi. Chem. I (GAL) Pract B Batch (10.00 To 1.00pm)
12.00pm TO 1.00pm	Industrial Pharmacy I (RUG)	Medi. Chem. - I (GAL)	Medi. Chem. - I (GAL)	Pharmaceutical Analysis III (MBH)	Analytical Pharmacognosy & Extraction Technology (SK)	Analytical Pharmacognosy & E T (PLP) Pract C Batch (10.00 To 1.00pm)
LUNCH BREAK						

Issue 01 DATE: 01.06.2017

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3.5.4 T PHARMACOLOGY- II
(3hrs/week), CREDIT: 03

Learning Objectives:

On successful completion of following theory topics & laboratory experiments, a learner should be able to

Knowledge:

- The Neurotransmitters involved in the autonomic nervous system, their Synthesis and metabolism.
- Various adrenoceptors and cholinceptor, their subtypes and the clinical spectrum of their general and selective agonist and antagonist.
- The agents that stimulate or relax skeletal muscle, including the cholinergic neuromuscular agonists and antagonists as well as the neuromuscular agents acting at noncholinergic sites.
- The essential pharmacotherapy and pharmacological features of common and important drugs used in cardiovascular diseases and respiratory disorders.

Skills

- The guidelines for animal experimentations.
- Various routes of drug administration, methods for blood collection from experimental animals.
- Composition of physiological salt solutions and basic instruments used in experimental pharmacology.
- Performance of isolated experiments using various isolated preparation and the effects of different drugs on the concentration response curves.
- Study the action of various drugs using preclinical models/ computer simulations.

Sr. No.	Name of the topic and contents	Hrs
SECTION I		
Pharmacology of drug shall includes : classification, mechanism of action, pharmacological actions, pharmacokinetics, therapeutic uses, adverse effects, drug interactions, contraindications, dosages and treatment of poisoning (if any) etc. Discuss important drugs used in current clinical practices.		
Pharmacotherapy shall include: Rationale approaches and clinical management of diseases/ disorders		
01	Autonomic Nervous system: General Considerations: Sympathetic and Parasympathetic Nervous system with neurotransmitters and their receptors with Signal Transduction mechanisms	03
02	Cholinergic system and drugs: Biosynthesis, Storage, Release and Metabolism of Acetylcholine (ACh), Parasympathomimetics: Pharmacology of ACh and Anticholinesterases, Organophosphorus Poisoning and its treatment, Pharmacotherapy of Glaucoma and Myasthenia gravis.	06
03	Anti-cholinergic drugs: Pharmacology of Atropine and other antimuscarinic drugs, Antimuscarinic	03



	poisoning and its treatment.	
04	Introduction to Ganglion Stimulating and Blocking agents	01
05	Pharmacology of Peripherally and centrally acting muscle relaxants	02
06	Adrenergic system and drugs: Biosynthesis, Storage, Release, Metabolism of catecholamines, Pharmacology of Catecholamines and indirectly acting Sympathomimetics.	05
07	Anti-adrenergic drugs: Pharmacology of Adrenoceptor blocking agents, reversible, irreversible, non-selective and selective antagonists.	03
SECTION II		
08	Diuretics and anti-diuretics	03
09	Pharmacotherapy of Cardiovascular disorders Congestive heart failure, Hypertension, Angina including Myocardial infarction and ischemia, Atherosclerosis and Arrhythmia. Drugs used in treatment of Cardiovascular Shock.	16
10	Drugs Used in Respiratory tract disorders: Pharmacology of drugs used in Bronchial asthma, COPD and Cough.	03

Recommended Books:

1. Craig, CR and Stitzel BE. Modern Pharmacology, Little Brown and Co, Boston.
2. James Crossland. Lewis's Pharmacology Basis of Therapeutics, Pergamon Press, New York.
3. Goodman and Gilman. Pharmacological Basis of Therapeutics, McGraw-Hill.
4. Katzung, BG. Basic and Clinical Pharmacology, Lange Medical Publisher, USA.
5. Rang HP and Dale MM. Pharmacology, Churchill Livingston, UK.
6. Satoskar RS and Bhandarkar SD. Pharmacology and Pharmacotherapeutics. Popular Prakashan, Bombay.
7. Sharma HL and Sharma KK. General Pharmacology Basic Concepts. Paras Publication.
8. Tripathi KD. Essentials of Medical Pharmacology, Jaypee Publication.
9. Harrison's Principle and Practice of Medicine, 18th Edition, Churchill, Livingston, London.
10. Roger and Walker. Clinical Pharmacy and Therapeutics, Churchill, Livingston, London.
11. Dipiro Joseph L. A pathophysiological Approach, Elsevier.
12. Davidson's Principle of Internal Medicine, Mc Graw-Hill companies.
13. Guyton AC. Textbook of Medical Physiology. W. B. Saunders Co., Philadelphia, USA.



3.5.4 P PHARMACOLOGY- II
(3 hrs / week), CREDIT 02

Sr.No	Title of Experiment
01	Care and handling of common laboratory animals, introduction of CPCSEA guidelines.
02	Introduction to animal physiology with their biochemical reference values in various animal species.
03	Study of various routes of drug administration in animals.
04	Study of various anesthetics employed to anesthetized laboratory animals.
05	Introduction to the various techniques of Euthanasia.
06	Study of various methods for collection of blood, body fluids and urine from experimental animals.
07	Introduction to commonly used instruments in experimental pharmacology.
08	Study of physiological salt solutions, drug solution and use of molar solution in various animal experiments.
09	To record Concentration Response Curves (CRC) of ACh/Histamine using suitable isolated tissue preparation.
10	To record Concentration Response Curves (CRC) of ACh/Histamine using suitable isolated tissue preparation.
11	To record the effect of Physostigmine on Concentration Response Curves (CRC) of Acetylcholine using suitable isolated tissue preparations (Synergism).
12	To record the effect of Atropine on Concentration Response Curves (CRC) of Acetylcholine using suitable isolated tissue preparations (Antagonism).
13	To study the effect of various drugs on heart rate. (Using suitable computerized simulated software programme (demonstration)).
14	To study the effect of various drugs on blood pressure in heart. (Using suitable computerized simulated software programme/ demonstration).
15	To study the effect of various drugs on rabbit eye. (Using suitable computerized simulated software programme/ demonstration).

Recommended Books:

- ✓ Ghosh MN. Fundamental of Experimental Pharmacology, Hilton & Company, Calcutta.
- ✓ Kulkarni SK. Handbook of Experimental Pharmacology, Vallabh Prakashan, New Delhi.
3. Burn JH. Practical Pharmacology Blackwell Scientific, Oxford London.
4. Jaju BP. Pharmacology: A Practice Exercise Book, Jaypee Brothers, New Delhi.
5. Sheth UK, Dadkar NK and Kamat UG. Selected topics in experimental pharmacology.
6. Chatterjee CC. Human Physiology. Medical Allied Agency, Kolkata.
7. Ganong WF. Review of Medical Physiology. Prentice-Hall International London.
8. Perry WLM. Pharmacological experiments on isolated Preparation. E&S Livingstone, London.
- ✓ Goyal RK. Practicals in Pharmacology. B. S. Shah Prakashan, Ahmedabad.





**Vishal Institute of Pharmaceutical Education and
Research, Ale
Taluka Junnar Dist. -Pune 412411**

ACA/DI / 07
Rev : 00
Date: 19.06.2017

Department: All Department
Teaching Plan

Academic Year: 2017 -18
Semester: V
Subject: Pharmacology-II
Name of the faculty: Deshmukh D.B.

TEACHING PLAN

Topic no.	Name of topic	Planed date	Date of completion	Remark if any
01	Autonomic nervous system	Last week of June	28/06/17	—
02	Cholinergic system & drugs	Second week of July	12/07/17	—
03	Anticholinergic drugs	Third week of July	21/07/17	—
04	Drugs used in respiratory tract disorders	First week of august	01/08/17	—
05	Diuretics & antidiuretics	Second week of august	08/08/17	—
06	Pharmacotherapy of cardiovascular disorders	Second week of September	12/09/17	—
07	Ganglion stimulating & blocking drugs	Last week of September	29/09/17	—
08	Adrenergic system & drugs	First week of October	04/10/17	—
09	Antiadrenergic drugs	second week of October	10/10/17	—
10	Muscle relaxants drugs	second week of October	11/10/17	—


Sign of Faculty




Sign of Academic Coordinator

Issue 01 DATE: 19.06.2017

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Taluka Junnar Dist. -Pune 412411**

ACA/DI / 08
Rev : 00
Date: 19.06.2017

Department: All Department
Syllabus Completion Report

Academic Year: 2017 -18
Semester: V & VII

SYLLABUS COMPLETION REPORT

DATE: 30/06/2017

Sr. No	Name	Class	Subject	% Theory Covered	% Practical Covered	Sign
01	Mr.Deshmukh D.B.	T.Y. B.pharm	Pharmacology-II	13.13	06.66	
		Final Year B.pharm	Pharmacology-IV	13.13	13.13	


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ACA/DI / 08
Rev : 00
Date: 19.06.2017

Department: All Department
Syllabus Completion Report

Academic Year: 2017 -18
Semester: V & VII

SYLLABUS COMPLETION REPORT

DATE: 31/07/2017

Sr. No	Name	Class	Subject	% Theory Covered	% Practical Covered	Sign
01	Mr.Deshmukh D.B.	T.Y. B.pharm	Pharmacology-II	35.55	40	
		Final Year B.pharm	Pharmacology-IV	42.42	40	

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Rev : 00
Date: 19.06.2017

Department: All Department
Syllabus Completion Report

Academic Year: 2017 -18
Semester: V & VII

SYLLABUS COMPLETION REPORT

DATE: 31/08/2017

Sr. No	Name	Class	Subject	% Theory Covered	% Practical Covered	Sign
01	Mr.Deshmukh D.B.	T.Y. B.pharm	Pharmacology-II	64.64	66.66	
		Final Year B.pharm	Pharmacology-IV	62.22	60	


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ACA/DI / 08
Rev : 00
Date: 19.06.2017

Department: All Department
Syllabus Completion Report

Academic Year: 2017 -18
Semester: V & VII

SYLLABUS COMPLETION REPORT

DATE: 30/09/2017

Sr. No	Name	Class	Subject	% Theory Covered	% Practical Covered	Sign
01	Mr.Deshmukh D.B.	T.Y. B.pharm	Pharmacology-II	80	80	
		Final Year B.pharm	Pharmacology-IV	82.22	86.66	

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ACA/DI / 08
Rev : 00
Date: 19.06.2017

Department: All Department
Syllabus Completion Report

Academic Year: 2017 -18
Semester: V & VII

SYLLABUS COMPLETION REPORT

DATE: 31/10/2017

Sr. No	Name	Class	Subject	% Theory Covered	% Practical Covered	Sign
01	Mr.Deshmukh D.B.	T.Y. B.pharm	Pharmacology-II	100	93.33	
		Final Year B.pharm	Pharmacology-IV	95.55	93.33	


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ACA/DI / 08
Rev : 00
Date: 19.06.2017

Department: All Department
Syllabus Completion Report

Academic Year: 2017 -18
Semester: V & VII

SYLLABUS COMPLETION REPORT

DATE: 11/11/2017

Sr. No	Name	Class	Subject	% Theory Covered	% Practical Covered	Sign
01	Mr.Deshmukh D.B.	T.Y. B.pharm	Pharmacology-II	100	100	
		Final Year B.pharm	Pharmacology-IV	100	100	

Sign of Academic Coordinator



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Vishal Jinnar Seva Mandal's
Vishal Institute Of Pharmaceutical Education And Research
A/P- Aie, Tal-Jinnar, Dist-Pune, Maharashtra - 412411

EXAM/DI/45	Department: Examination Department	Academic Year: 2017-18	
Rev : 00		Class & Sem: T.Y.B.Pharm (V)	
Date: 23/09/2017	Theory Sessional Question Paper (B.Pharm. 2015 Pattern)	Sub Code: 354	Marks: 20

Sub: Pharmacology-II

Time: 60 mins

Instructions to candidate:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Illustrate your answers with diagrams wherever necessary.

Que.1 Attempt any three.

2 × 3 = 06

- a) What is a positive inotropic drug? Give MOA of digitalis.
- b) Classify antianginal drugs. Give MOA of nitroglycerine
- c) Give MOA and ADR of vasopressin.
- d) What is re-entry phenomenon?
- e) Classify anticholinergic drugs. Write ADR of atropine.

Que.2 Attempt any two.

4 × 2 = 08

- a) Define & classify diuretic drugs. Write MOA, ADR and uses of loop diuretics.
- b) Write pharmacotherapy of - Glaucoma.
- c) Classify antiasthmatic drugs. Write MOA, ADR and uses of theophylline.

Que.3 Attempt any one.

6 × 1 = 06

- a) Define & classify antihypertensive drugs. Write MOA, ADR and uses of ACE inhibitor.
- b) Classify parasympathomimetic drugs. Explain biosynthesis, MOA and uses of acetylcholine.

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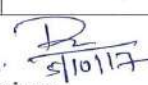
Vishal Junnar Seva Mandal's
Vishal Institute Of Pharmaceutical Education And Research
At- Ale, Tal- Junnar, Dist - Pune Maharashtra - 412411

EXAM/DI/38	Department: Examination Department	Academic Year: 2017-18
Rev : 00		Class & Sem: T.Y. B. Pharm (V)
Date: 5/10/17	Sessional Mark sheet (B.Pharm.)	2013 / 2015 Pattern

I / ~~II~~ SESSIONAL EXAMINATION (THEORY / ~~PRACTICAL~~)

Subject: Pharmacology - II

Marks: 20

ROLL NO.	MARKS	ROLL NO.	MARKS	ROLL NO.	MARKS
1	12	26	14	51	09
2	14	27	13	52	11
3	10	28	16	53	16
4	14	29	15	54	13
5	12	30	14	55	11
6	08	31	11	56	10
7	12	32	11	57	11
8	08	33	08	58	11
9	14	34	14	59	12
10	10	35	13	60	10
11	11	36	13	61	11
12	11	37	13	62	09
13	08	38	17	63	
14	14	39	08	64	
15	14	40	10	65	
16	14	41	13	66	
17	10	42	11	67	
18	09	43	12	68	
19	13	44	09	69	
20	15	45	14	70	
21	14	46	11	71	
22	12	47	12	72	
23	17	48	12	73	
24	14	49	13	74	
25	18	50	12	75	
No. of Students Present: 62			Mr. Deshmukh D.B.  Name & Sign of Examiner		
No. of Students Absent: 00					
Total No. of Students: 62					

Issue 01 DATE: 19.06.2017



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Savitribai Phule Pune University
Examination Section
Marks Inward System for Colleges

Last Date for Submission of Marks: 04 December 2017

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College Name : VISHAL INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH

Course Name : BACHELOR OF PHARMACY (2015)

Exam Type : **Internal**

Subject Name : **(354) Pharmacology-II**

Marks Outof : 40

Seat Number	Present/Absent	Marks	Name of Student	PRNO of Student
10690	P	26	BABAR RUTUJA BHARAT	51502211L
10734	P	29	BADHE POOJA VIKAS	51502214E
10825	P	23	BALSARAF CHETANA DILIP	51502217K
10870	P	29	BANGAR MAYURI SHARAD	51502220K
10982	P	25	BARVE UTKARSH GOPALA	51502235H
11123	P	20	BHAGWAT VAIBHAV BALASAHEB	51602674H
11495	P	27	BHUJBAL POOJA SHARAD	51502222F
11500	P	23	BHUJBAL SANKET SANJAY	51502234K
11590	P	27	BODKE NIKITA NIVRUTTI	51502224B
12300	P	23	DANGAT SONALI DATTATRAYA	51502225L
12345	P	26	DAREKAR PRATIKSHA PRAKASH	51502253F
12380	P	26	DATE SHUBHANGI HARIBHAU	51502248K
12483	P	23	DERE TANHAJI RAMDAS	51502221H
12502	P	30	DESHMANE JYOTI NAMDEV	51602663B
12670	P	29	DHAMDHARE SAMPADA KRUSHNAKANT	51502261G
12704	P	30	DHARADE SWAPNALI YUVRAJ	51602667E
12845	P	24	DHUMANE SAURABH ARJUN	51502250M
13005	P	21	DUMBRE BHAGYASHRI BABAN	59402739L
13037	P	28	EKNARAYAN RADHIKA ARJUN	51502213J
13154	P	32	GADEKAR MADHURI RAJENDRA	51502246F
13165	P	29	GADEKAR SHITAL SUBHASH	51502246F

11/24/2017

intmarks.unipune.ac.in/entermarks.aspx

13174	P	24	GADGE MAYUR VITTHAL	51502255B
14243	P	32	HANMANTE LEENA MOHAN	51602666G
14431	P	31	INDORE PRANAYA BHIMAJI	51502239L
14656	P	35	JADHAV RUTUJA SURESH	51502243J
15053	P	25	JORI RAJANIGANDHA RAJENDRA	51502240D
15126	P	38	KADALE PRATIKSHA BALU	51502258G
15362	P	34	KALE RUPALI BAJIRAO	51602669M
15777	P	31	KEDAR VIKAS DAGDU	51602619E
15844	P	32	KHAIRE SAYALI RAJENDRA	51602668C

123



<http://intmarks.unipune.ac.in/entermarks.aspx>

2/2

No. of Questions—6]

[Total No. of Printed Pages—2

Sent
No.

[4849]-504

Third Year B. Pharmacy (Fifth Semester) EXAMINATION, 2015
354 : PHARMACOLOGY-II
(2013 PATTERN)

Time : Three Hours

Maximum Marks : 70

- N.B. :— (i) All questions are compulsory.
(ii) Answers to the two Sections should be written in separate answer-books.
(iii) Neat diagrams must be drawn wherever necessary.
(iv) Figures to the right indicate full marks

SECTION I

1. Define sympathomimetic drugs. Classify sympathomimetic drugs with suitable example. Explain the pharmacological actions, uses, of catecholamines. [10]

Or

Define parasympatholytic agents. Classify anticholinergic agents with suitable example. Explain the pharmacological actions, uses and adverse effect of atropine.

2. Answer the following (any five) : [15]
(a) Explain neurohumoral transmission at nerve terminal.
(b) Classify anticholinesterase agents with example.
(c) Classify skeletal muscle relaxant with example.
(d) What is cholinergic crisis ?
(e) Give the examples of cardioselective beta (β) blockers.

P.T.O.



(f) Give the muscarinic and nicotinic receptor subtypes with their location.

(g) Explain biosynthesis of acetylcholine.

3. Write notes on (any two) : [10]

(a) Therapeutic uses of alpha (α) blocker.

(b) Pharmacotherapy of myasthenia gravis

(c) Ganglion blocker

(d) Therapeutic uses of reversible anticholinesterase agents.

Section II

4. Explain biosynthesis, pharmacological actions and therapeutic uses of thyroid hormone. [10]

Or

What is the mechanism of actions, the pharmacological actions, adverse effects and therapeutic uses of sulfonylureas ? Enlist the example of Biguanides. [10]

5. Attempt (any five) : [15]

(a) Describe physiological effects of glucagon

(b) Give therapeutic uses of anabolic steroid

(c) Give the physiological action of growth hormone

(d) Give the mechanism of Insulin

(e) Give pharmacological action of prolactin

(f) Give physiological actions of ADH

(g) Give physiological role of Vit. D.

6. Write notes on (any two) : [10]

(a) Calcitonin

(b) Oxytocics

(c) Antithyroid drugs

(d) Oral Contraceptives.



Savitribai Phule Pune University
Formerly University Of Pune

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examcoordination@unipune.ac.in
Web : http://www.unipune.ac.in



CO-ORDINATION SECTION
Ganeshkhind, Pune - 411 007
Maharashtra (INDIA)

Second half of the year,2017



17103000115

30/10/2017 07:00

Deshmukh Dhananjay Babanrao

Vishal Junnar Seva Mandal Vishal Institute of Pharmaceutical Education and Research Addr: Ale Tai-Junnar

Dist-Pune 412411 Ta: Junnar Dist: Pune

Mobile No. : 7387986342

Email : dhananjaydeshmukh777@gmail.com

Sir/ Madam,

1. The University Authorities have been pleased to appoint you for the Chairman, in the subject of :-

Post Name	Examination	Paper / Subject	Chairman	Important Dates
Chairman	T.Y.B.Pharmacy(2013 Part)	Paper-Pharmacology-III , Sem VI	Deshmukh Dhananjay Babanrao Vishal Junnar Seva Mandal Vishal Institute of Pharmaceutical Education and Research Addr: Ale Tai-Junnar Dist-Pune 412411 Ta: Junnar Dist: Pune 7387986342	
Appt NO. 17234358	(Practical) BOS:Pharmacology 	Center for Practical:Vishal Junnar Seva Mandal Vishal Institute of Pharmaceutical Education and Research Addr: Ale Tai-Junnar Dist-Pune 412411 Ta: Junnar Dist: Pune Shri Gajanan Maharaj Shikshan Prasarak Mandal Shardchandra Pawar College Of Pharmacy Addr: Mu Dumberwadi Post-Khamundi Ta: Junnar Dist: Pune		

2. This appointment is based on certain assumptions and subject to respective provisions of Maharashtra Public Universities Act, 2016 and Statutes/ Ordinances, Rule and Regulations framed thereunder.

It shall be obligatory on every teacher and on the non-teaching employee of the University, affiliated, conducted colleges, community colleges or recognized institution to render necessary assistance and service in respect of examination of the university and evaluation of students as prescribed by statutes. If any teacher or non-teaching employee fails to comply with the order of the university or colleges or institution, in this respect, it shall be treated as misconduct and the employee shall be liable for disciplinary action in case of failure on the part of the teacher or non-teaching employee of any affiliated college, conducted college, community college or recognized institution, to comply with the order of the university in this respect, the vice-chancellor shall have power to take an appropriate action against them, which may include imposing penalties including suspension of approval to the appointment of a teacher, as may be prescribed by Statutes.

- Please put yourself in communication with your Chairman immediately in regard to the meeting of the paper setting.
- If required, you will be called by the Director, Central Assessment Programme for Central Assessment.
- Please intimate the Director, Board of Examination and Evaluation, Savitribai Phule Pune University, Ganeshkhind, Pune 411 007, in case you are holding the other appointments of this University, if any.
- Any change in the address, phone no., email address etc may please be communicated to both, the Chairman and the Co-ordination Section, Examination Branch, Savitribai Phule Pune University, Ganeshkhind, Pune-7.
- The TA/DA will be paid only to those paper-setters who will attend the meeting of the paper-setters on the invitation from the concerned chairman. **Travel by car for attending meeting is not allowed.**

THIS IS A COMPUTER-GENERATED DOCUMENT AND IT DOES NOT REQUIRE A SIGNATURE. THIS DOCUMENT SHALL NOT BE INVALIDATED SOLELY ON THE GROUND THAT IT IS NOT SIGNED.



8. Please read and adhere to the enclosed important instructions.

9. Note only for Pharmacy: External examiners appointed for B.Pharm (first year to fourth year) examination schedule in Second half of 2017 are requested to please treat the order for the Colleges, having students of that particular year (first/second/third/fourth)

I seek your co-operation.

Thanking You

Yours,

For Director, Board of Examination and Evaluation

To,
The Principal/Directors,

You are requested to relieve the teachers for paper setting. Also requested to communicate names of the teacher/s who remain absent for the work of paper setting, the said information is required for submission to the University Authorities for necessary action under the provisions of section 48(4) of the Maharashtra Public Universities Act, 2016.

For early payment of examination remuneration work through ECS, you are requested to update your BCUD online teacher profile with Bank Account details. Also submit printed copy of same at the time of paper setting meeting. For details contact 020-25601388

Chairman has to attend meeting before 45 mins of schedule.

Paper setter payment will be done through automated NEFT/RTGS service for which please update your pancard, bank account details and bank IFSC code in your teacher profile.

Course Code	Course Name	Subject Code	Subject Name
24813	M.E. (2013 PAT.)	604102	WIRELESS & MOBILE TECHNOLOGIES
7	F.E. (2015 COURSE) EXAMINATION	102006	ENGINEERING GRAPHICS I



Received on 23 November, 2012; received in revised form, 14 February, 2013; accepted, 23 February, 2013

ANTI-ULCER EFFECT ON THE ETHANOL EXTRACT OF THE BARK & ROOT OF *FICUS RELIGIOSA* LINN. IN DIFFERENT EXPERIMENTAL ULCER MODELS IN RATS

Sonali Thorat, Dhananjay Deshmukh*, Dushant Gaikwad and Nirmala Grampurohit

VJSM'S Vishal Institute of Pharmaceutical Education & Research Ale, Junnar, Pune- 411 412 Maharashtra, India

Keywords:

Ficus religiosa L, Cytoprotective, Anti-secretory, Anti-ulcer

Correspondence to Author:

Dhananjay Deshmukh

Assistant Professor, Department of Pharmacology, VJSM'S Vishal Institute of Pharmaceutical Education & Research Ale, Junnar, Pune, Maharashtra, India.

E-mail: dhanrajdeshmukh777@gmail.com

ABSTRACT: *Ficus religiosa* L (Moraceae) is widely distributed in northern part of India has traditionally been used in India as medicinal plant for the treatment of diarrhoea and dysentery. In the present study ethanolic extract of *Ficus religiosa* L was used for investigation of antiulcer activity by using pylorus ligation as antisecretory model and ethanol induced ulceration models as cytoprotective model. Animals pretreated with ethanolic extract of *Ficus religiosa* L at the dose 200 mg/kg and 400 mg/kg showed significant decrease in ulcer index and percentage ulcer protection in all models. The results suggested that the extract at 200 mg/kg and 400 mg/kg showed significant protection ($P < 0.001$) by reducing ulcerative lesions when compared with control group of animals. These findings indicate that *Ficus religiosa* L bark and root extract shows significant antiulcer activity.

INTRODUCTION: Peptic ulcer is the term designated to localized destruction of the inner wall or mucosa of the stomach (gastric ulcer) or the upper part of the small intestine (duodenal ulcer). Peptic ulcers generally occur when there is an imbalance between aggressive gastric factors (acid, pepsin, *Helicobacter pylori* and refluxed bile salts) and defensive mucosal factors¹ (gastric mucosal barrier, bicarbonate secretion, rapid cell turnover, high blood flow). The treatment of peptic ulcer is directed against reduction of aggressive factors or enhancement of mucosal defense of stomach and duodenum with cytoprotective agents.

Endogenous non-protein sulfhydryl (SH) compounds are presumed to participate in gastric mucosal adaptive cytoprotection². For several decades the adage 'NO ACID – NO ULCER' and the drugs used to reduce acid secretion has dominated the pharmacological basis of ulcer therapy. More recently, the role of mucosal factor in peptic ulceration has received much attention and the term "Cytoprotection" was first introduced by Andre Robert in

1979. In general it can be said that there is a plethora of mechanisms of gastric cytoprotection, their relative importance and interdependence being far from clarity. This itself is a point that gastric cytoprotection may be a multifactorial phenomenon.

Ficus religiosa L. (Moraceae), known in India as pimpal, Peepal and Pimpalla is widely distributed in northern part of the India. *Ficus religiosa* is used in traditional medicine for about 50 types of disorders including asthma, diabetes, diarrhea, epilepsy, gastric problems, and inflammatory disorders, infectious and sexual disorders³.

The juice of its leaves extracted by holding them near the fire can be used as the ear drop. Its power bark has been used to heal the wounds for years. The bark of the tree is useful in inflammations and glandular swelling of the neck. Its root bark is useful for stomatitis, clean ulcers, and promotes granulations. Its roots are also good for gout. The roots are even chewed to prevent gum diseases. Its fruit is laxative which promotes digestion and checks vomiting.

Available online on www.ijpsr.com



Evaluation of Antiulcer Activity of Ethanolic Extract of *Psidium guajava* Linn. Bark

Dhananjay B Deshmukh^{1*}, Suhas S Londhe², Dushant D Gaikwad¹

Abstract: *Psidium guajava* L. (Myrtaceae) has traditionally been used in India as medicinal plant for the treatment of diarrhoea and dysentery. In the present study ethanolic extract of *Psidium guajava* L. was used for investigation of antiulcer activity by using pylorus ligation as antisecretory model and Indomethacin & ethanol induced ulceration models as cytoprotective model. Animals pretreated with ethanolic extract of *Psidium guajava* L. at the dose 200 mg/kg and 400 mg/kg showed significant decrease in ulcer index and percentage ulcer protection in all models. The results suggested that the extract at 200 mg/kg and 400 mg/kg showed significant protection ($P < 0.001$) by reducing ulcerative lesions when compared with control group of animals. These findings indicate that *Psidium guajava* L. bark extract shows significant antiulcer activity.

INTRODUCTION

Psidium guajava L. (Myrtaceae), known in India as *Guava*, is widely distributed in northern part of the India. In India, the stem and root bark are used as astringent, febrifuge & antiseptic. It is also having antibacterial properties [1] and used against diarrhea and flatulence.

Peptic ulcer is the term designated to localized destruction of the inner wall or mucosa of the stomach (gastric ulcer) or the upper part of the small intestine (duodenal ulcer). Peptic ulcers generally occur when there is an imbalance between aggressive gastric factors (acid, pepsin, *Helicobacter pylori* and refluxed bile salts) and defensive mucosal factors [2] (gastric mucosal barrier, bicarbonate secretion, rapid cell turnover, high blood flow). The treatment of peptic ulcer is directed against reduction of aggressive factors or enhancement of mucosal defense of stomach and duodenum with cytoprotective agents. Endogenous non-protein sulfhydryl (SH) compounds are presumed to participate in gastric mucosal adaptive cytoprotection. [3] For several decades the adage 'No Acid-No Ulcer' and the drugs used to reduce acid secretion has dominated the pharmacological basis of ulcer therapy. More recently, the role of mucosal factor in peptic ulceration has received much attention and the term "Cytoprotection" was first introduced by Andre Robert in 1979. In general it can be said that there is a plethora of mechanisms of gastric cytoprotection, their relative importance and interdependence being far from clarity. This itself is a point that gastric cytoprotection may be a multifactorial phenomenon.

The term "Ayurveda" means "Science of Life". Ayurveda deals with physical body, herbal medicine, diet, surgery, psychology, spirituality and religion. Ayurveda has a well-classified materia medica consisting mainly of drugs of plant origin. Various parts of plants, whole plant, root, rhizome, stem, leaf, flowers, fruit, bark, exudates have been employed for therapeutic purpose. Currently, some 1250 plants find usage in ayurvedic medicines. [4]

¹VJSM'S Vishal Institute of Pharmaceutical Education and Research Ale, Junnar, Pune 411412, MS, India.

E mail: dhanrajdeshmukh777@gmail.com

*Corresponding author

²SCSSS Sitabai Thakur College of Pharmacy Ehtur, Pune, MS, India.

The aim of the study is to evaluate anti-ulcer activity of the ethanolic extract of *Psidium guajava* L. bark.

MATERIALS AND METHODS

Plant Material

Bark of *Psidium guajava* L. was collected from Erode (TN) during September. It was authenticated by Botanical Survey of India, Coimbatore.

Preparation of the Extract

The air-dried bark of *Psidium guajava* L. was reduced to fine powder (40 size mesh) and around 200 gm of powder was subjected to successive hot continuous extraction (Soxhlet) extraction with ethanol. After the effective extraction, solvent were concentrated using rotary flash evaporator and water was removed by freeze drying and the extract obtained with each solvent was weighed. The extractive value was calculated as % w/w yield and was found to be 5.92%.

Animal Used

Healthy adult albino rats of Wistar strain weighing 180-250 g were used for this study. Animals were housed at temperature of $24 \pm 2^\circ\text{C}$ and relative humidity of 30-70%. A12:12 light: day cycle was followed. All the animals were allowed to free access to water and fed with standard commercial pelleted rat chaw. All the experimental procedures and protocols used in this study were reviewed by the Institutional Animal Ethics committee (688/2/C-CPSCSEA) of NCP.

Phytochemical Evaluation [5]

The ethanolic extract obtained above was subjected to qualitative analytical test for the detection of various chemical constituents viz. alkaloids, carbohydrates, glycosides, tannins, proteins, saponin and flavonoids.

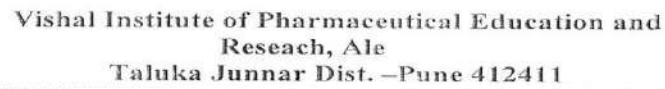
PHARMACOLOGICAL EVALUATION

Antisecretory Evaluation

1. Pyloric Ligation-Induced Ulcers [6]

Four groups of albino Wistar male rats ($n=6$) were selected. In this model, Group 1 served as normal control (vehicle) received 0.5% Carboxymethyl cellulose (CMC), p.o., and group 2 Rantidine (50 mg/kg, p.o.), whereas groups 2 and 4 animals received ethanolic extract.





Academic Year: 2017-18

Rev : 00

Semester: V

Student Attendance Report

Name of the faculty: Mr. Deshmukh D.B

Subject: Pharmacology -II

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Class : T.Y.B.Pharm

Attendance
Sub: Pharmacology - D

Roll No:	Name	2016	2116	2216	2716	2816	3016	417	517	717	1117	1217	1817	1917	2117	2517
1	BABAR RUTUJA BHARAT	1	2	3	4	5	6	7	8	9	10	10	11	12	13	14
2	BADHE POOJA VIKAS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
3	BALSARAF CHETANA DILIP	1	2	3	3	4	5	6	7	8	9	10	11	12	13	14
4	BANGAR MAYURI SHARAD	1	2	3	3	4	5	6	6	7	8	9	10	11	12	13
5	BARVE UTKARSH GOPALA	0	0	1	2	3	4	5	6	7	8	9	10	11	12	13
6	BHAGWAT VAIBHAV BALASAHEB	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14
7	BHUJBAL POOJA SHARAD	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
8	BHUJBAL SANKET SANJAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
9	BODKE NIKITA NIVRUTTI	1	2	3	3	4	5	5	6	7	7	8	9	10	11	12
10	DANGAT SONALI DATTATRAYA	1	2	3	3	4	5	5	5	6	7	8	9	10	11	12
11	DAREKAR PRATIKSHA PRAKASH	0	1	1	2	3	4	5	6	7	8	9	10	11	12	13
12	DATE SHUBHANGI HARIBHAU	1	2	3	4	5	6	7	7	8	9	10	11	12	13	14
13	DERE TANHAJI RAMDAS	1	1	2	3	4	5	6	7	8	9	9	10	11	12	13
14	DESHMANE JYOTI NAMDEV	1	2	3	4	5	6	7	8	9	10	11	11	12	13	14
15	DHAMDHARE SAMPADA KRISHNAKANT	1	2	3	4	5	6	7	8	9	10	11	12	12	13	14
16	DHARADE SWAPNALI YUVRAJ	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
17	DHUMANE SAURABH ARJUN	1	2	3	4	4	5	6	7	8	9	10	11	12	13	14
18	DUMBRE BHAGYASHRI BABAN	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14
19	EKNARAYAN RADHIKA ARJUN	0	1	2	3	3	3	4	5	6	7	8	9	10	11	12
20	GADEKAR MADHURI RAJENDRA	1	2	2	3	4	5	6	7	8	9	10	11	11	12	13
21	GADEKAR SHITAL SUBHASH	0	0	1	2	3	4	5	6	7	7	8	9	10	11	12
22	GADGE MAYUR VITTHAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
23	HANMANTE LEENA MOHAN	1	2	2	3	4	5	6	7	8	9	10	11	12	13	14
24	INDORE PRANAYA BHIIMAJI	0	1	2	3	4	5	6	6	7	8	9	10	11	12	13
25	JADHAV RUTUJA SURESH	0	0	1	2	3	3	4	4	5	6	7	8	9	10	11
26	JORI RAJANIGANDHA RAJENDRA	1	2	3	4	5	5	6	7	8	9	10	11	12	13	14
27	KADALE PRATIKSHA BALU	1	1	2	3	4	5	6	7	8	8	9	10	11	12	13
28	KALE RUPALI BAJIRAO	1	2	3	4	5	6	6	7	8	9	10	11	12	13	14
29	KEDAR VIKAS DAGDU	1	2	3	4	5	6	6	7	7	8	9	10	11	12	13
30	KHAIRE SAYALI RAJENDRA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
31	KHEDKAR ROHAN ARJUN	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14



Attendance

Class : T.Y.B.Pharm

Sub: pharmacology-II

Roll No:	Name	20/6	21/6	23/6	27/6	28/6	30/6	4/7	5/7	7/7	11/7	12/7	18/7	19/7	21/7	25/7
32	KHILARI AKASH VASANT	1	2	3	4	5	6	7	8	9	10	11	12	12	13	14
33	KOTE PRIYANKA SHIVAJI	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
34	KUTE VAISHNAVI BALU	1	2	2	3	4	5	6	7	8	9	10	11	12	13	13
35	LOHAKARE ANITA BABAN	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14
36	LOHOTE OMKAR GANESH	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
37	MADOLE BALAJI SHIVAJI	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
38	MAHALE AMOL MAHADEO	1	2	3	4	5	6	7	8	9	10	11	11	12	13	13
39	MHASKE POONAM SANJAY	1	1	2	3	4	4	5	6	7	8	9	10	11	12	13
40	MHASKE RUTUJA BAJIRAO	1	2	3	4	5	6	7	8	9	10	10	11	12	13	13
41	MODHAVE MAYURI BHANUDAS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
42	NIPURTE ARATI GOVIND	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
43	PADEKAR SONALI GANPAT	1	2	3	4	5	6	7	8	8	8	9	10	11	12	12
44	PATEL YASMIN MOHAMMADJAKIR	0	0	1	2	3	3	4	5	6	7	8	9	10	11	12
45	PAWAR NEHA JAYNATH	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
46	PHALKE POOJA KACHARDAS	1	2	3	3	4	5	6	7	8	9	10	11	12	13	14
47	POL AKSHADA SATISH	0	1	1	2	3	4	5	6	7	8	9	10	11	12	13
48	SHEWALE SHWETA SHAHAJI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
49	SHINDE KOMAL RAJESH	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
50	SHINDE PRIYANKA BALU	1	2	3	4	4	5	6	7	8	9	10	11	12	13	14
51	SHINDE VISHAKHA VIKAS	1	2	3	3	4	5	6	7	8	9	10	11	12	13	14
52	SHITOLE PRATIKSHA BALASAHEB	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14
53	SONAWANE PRATIKSHA SUKHADEV	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
54	TAJANE ARTI SHANTARAM	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
55	TEMGIRE VANITA GUPINATH	1	2	3	4	5	6	7	7	8	9	10	11	12	13	14
56	THORAT PRATIK BHARAT	1	2	2	3	4	5	6	7	8	9	10	11	12	13	14
57	VARHADI MONIKA KESHAV	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
58	VETHEKAR KOMAL SHARAD	0	1	2	3	3	4	5	6	7	8	9	10	11	12	13
59	VISHWAKARMA NEHA ACHHELAL	0	0	1	2	3	4	5	6	7	8	9	10	11	12	13
60	WAYKAR GAYTRI RAMESH	1	2	3	4	5	6	7	7	7	8	9	10	11	12	13
61	YEWALE MADHURI KHANDU	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
62	ZAWARE PRAFUL NANASAHEB	1	2	3	4	5	6	7	8	9	9	10	11	12	13	14





VISHAL JUNNAR SEVA MANDAL'S

VISHAL INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH

Dr. S. L. Jadhav
Principal

Ale, Tal. Junnar, Dist. Pune-412411 | Contact No. : 9892376014 | E-mail : vjsm.principal@gmail.com | Website: www.viperale.com

P.C.I. Inst. Code : PCI-2620 | D.T.E. Inst. Code : 6361 | University I.D. No. : CPHP012670

5. Skill Oriented Programmes

Personality development	
DATE	29/01/18 & 30/01/18
VENUE	VIPER ALE
NAME OF RESOURCE PERSON	Mr Harshad Tathed, Founder Study hub
NUMBER OF STUDENTS PARTICIPATED	70



Personality development

The VIPER, ALE organized Workshop on personality Development Skills, on 29/01/18 & 30/01/18 for the students of Pharmacy. The workshop was conducted by **Mr Harshad Tathed, Founder Study hub**.

- Presently working as Founder Director, 'Study hub',

Who strive for excellence & follows the pedagogy of active learning i.e. experiential learning. **Mr Harshad Tathed**, conducted workshop in two sessions. In the first day session he interacted with final year B.Pharm & 2nd day on M.Pharm. The session started at around 10AM in the morning at went on till 05.00 PM in the Evening.

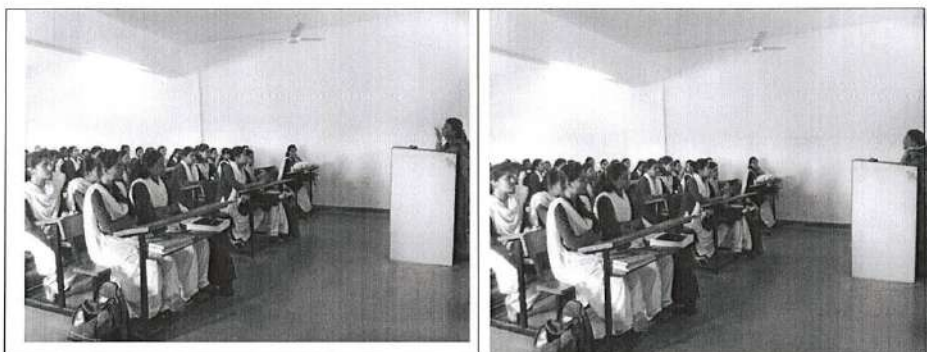


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Woman Health Awareness Programme	
DATE	15/02/2018
VENUE	VIPER ALE
NAME OF RESOURCE PERSON	Dr. J. B. Pawar, BAMS, DGO (Gynecologist), Ale
NUMBER OF STUDENTS PARTICIPATED	65

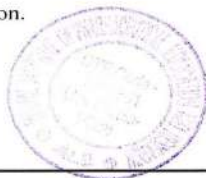


Woman Health Awareness Programme

A seminar on **Woman Health Awareness Programme** for girls was held at **VIPER, ALE** on **15/02/2018**. During this seminar **Dr. J. B. Pawar** guided our students regarding health fitness.

Menstrual Hygiene Management is a subject of 'Silence' and discussion of the topic among women or even between mother and daughter is very limited. Menstruation is a very important natural body process among women which cannot be avoided. It is a distinct step into womanhood for the adolescent girls. Therefore it is imperative for every one of them to have awareness about menstrual hygien

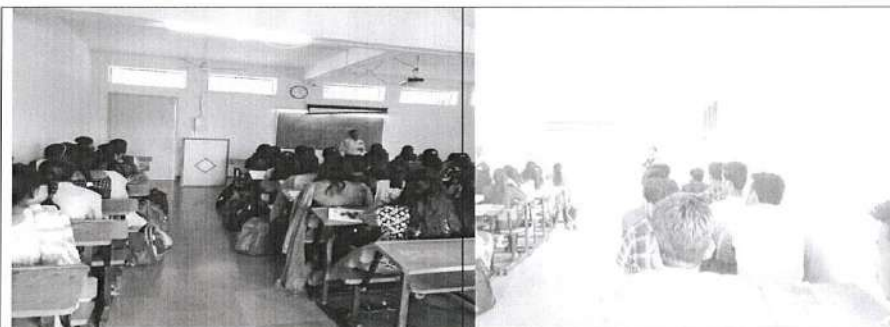
Dr. J. B. Pawar oriented the students on good menstrual hygienic practices such as use of sanitary napkins; washing and cleaning; how to dispose sanitary napkins, followed by precautions to be taken during the period and dietary habits, so, as to enable them to lead a healthy reproductive life in future. The question & answer session is followed by effective videos on biological process that a woman's body undergoes during menstruation.



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Career guidance Programme for MBA /CAT exam	
DATE	04/01/2018
VENUE	VIPER ALE
NAME OF RESOURCE PERSON	Mr. Abhale Ganesh, sharadchandra Pawar Institute of MBA Otur.
NUMBER OF STUDENTS PARTICIPATED	70



Career guidance Programme for MBA /CAT exam

A seminar on **Career guidance Programm for MBA /CAT exam** was held at **VIPER, ALE** on **04/01/2018** By **Mr. Abhale Ganesh, sharadchandra Pawar Institute of MBA Otur..**

Mr. Abhale Ganesh, delivered a lecture on managing finances. He said that one has to create a budget, control debt, set goals, identify requirements and place a value for money. He expressed that money cannot buy happiness, but it can certainly make one comfortable. The main point lies in understanding its worth. Each purchase represents a trade-off. One has to make the decisions wisely. Most of the financial decisions are a result of one's behavior. This may be difficult to monitor, but how we buy household items and one-off things such as car decides how our finances will shape up.



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Entrepreneurship as a career choice and motivation.

DATE	01/02/2018 to 03/02/2018
VENUE	VIPER ALE
NAME OF RESOURCE PERSON	Mr. Suresh B. Umap Regional Officer MCED.
NUMBER OF STUDENTS PARTICIPATED	180



Entrepreneurship as a career choice and motivation.

A seminar on **Entrepreneurship as a career choice and motivation** was held at **VIPER, ALE** on **01/02/2018** By **Mr. Suresh B. Umap** Regional Officer MCED.

Entrepreneurship is the professional application of knowledge, skills and competencies and/or of monetizing a new idea, by an individual or a set of people by launching an enterprise de novo or diversifying from an existing one (distinct from seeking self employment as in a profession or trade), thus to pursue growth while generating wealth, employment and social good. Final year B.pharm students of VIPER ale and second year diploma students of IOP and IOPW attended this seminar.




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Business Opportunities Guidance

DATE	01/02/2018 to 03/02/2018
VENUE	VIPER ALE
NAME OF RESOURCE PERSON	Mr. Ashok Pattar – Faculty
NUMBER OF STUDENTS PARTICIPATED	180



Business Opportunities Guidance

The VIPER, ALE organized Seminar on Business Opportunities Guidance, on **03/02/2018** for the students of Pharmacy. The Seminar was conducted by **Mr. Ashok Pattar**.

Most training programs for entrepreneurs combine some form of classroom activity with field experience. As the focus of this monograph is on first-time entrepreneurs without business or technical experience, the components examined here will cover the full range of selection, behavioral, business opportunity, technical, managerial, and entrepreneurial elements. "Behavioral" here refers chiefly to achievement motivation training, although reference will be made to training in role behavior. "Managerial" refers to management training, as distinct from the process of business creation which consists of feasibility analysis, business planning and project initiation/implementation.

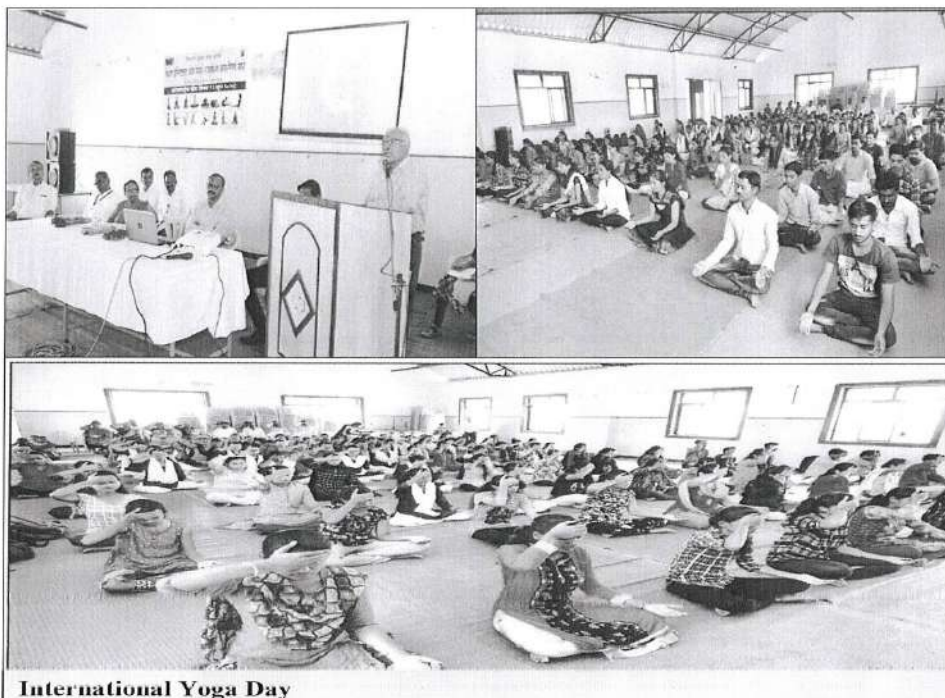


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INTERNATIONAL YOGA DAY

DATE	21-06-2018
VENUE	VIPER ALE
NAME OF RESOURCE PERSON	Dr. Gadekar Shri Nirmal Hospital Alephata.
NUMBER OF STUDENTS PARTICIPATED	212



International Yoga Day

International Yoga Day was organized in our college Auditorium. Dr, Gadekar & supportive team, Shree Nirmal Hospital, Alephata was conducted the lecture and yoga exercise. They also explained the importance of yoga & guide our students and staffs. Dr. Gadekar & their team, explained the Human body mechanism, how changes takes place due to exercise.

In these programme total 212 students, staffs participated & event the was conducted smoothly and successfully.



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Three days Entrepreneurship awareness camp	
DATE	17/07/2019 to 19/07/2019
VENUE	VIPER, ale
NAME OF RESOURCE PERSON	MCED pune
NUMBER OF STUDENTS PARTICIPATED	180



Three days Entrepreneurship awareness camp

Three days Entrepreneurship Awareness Camp (from 17/07/2019 to 19/07/2019) was organized by Entrepreneurship Development cell, **VIPER, ALE** in collaboration with Entrepreneurship and Management Development Institute (an **MCED pune**). The Camp was inaugurated by Dr. Jadhav Suresh L. Principal, VIPER. 180 students of different streams attended this entrepreneurship awareness camp. **MCED pune**, Joint Director delivered lecture on Camp Objective and Business Opportunities Identification. Several other dignitaries delivered their lectures on different topics related to Entrepreneurship. The main objective of the Camp was to get aware the students about the different areas of skills where they can establish themselves as Entrepreneur and create the job for others. At the concluding session **Miss. Ashwini S. Bansode** gave vote of thanks.



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Guidance Session on DRA, PV, CR

DATE	27/07/2019
VENUE	VIPER, ale
NAME OF RESOURCE PERSON	Ms. Archana Gawade, Elite institute of pharma skills, Pune
NUMBER OF STUDENTS PARTICIPATED	65



Guidance Session on DRA, PV, CR

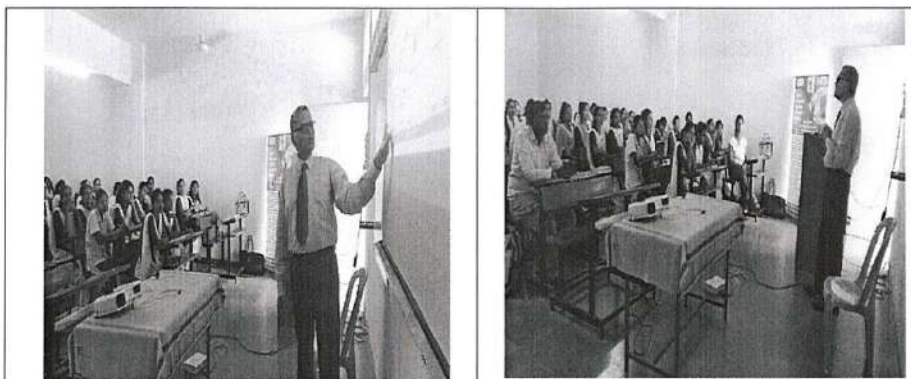
The VIPER, ALE organized seminar on **Guidance on DRA, PV and CR** on 27/07/2019 for the students of Pharmacy. The seminar was conducted by **Ms. Archana Gawade Elite Academy; Pune** the programme was aimed to teach students to know more about DRA, pharmacovigilance and CR. The seminar was also arranged to aware students regarding current scenario of this field and also to know about future different job opportunities available in this area.




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 ALE RAJGURU DIST-PUNE 412411

Carrier guidance for pharmacy professionals in IT Industries

DATE	20/09/2019
VENUE	VIPER, ale
NAME OF RESOURCE PERSON	Mr. Srinivas Inamdar, Principal Advisor, Ex-Associate Director, Cognizant, Pune
NUMBER OF STUDENTS PARTICIPATED	65



Carrier guidance for pharmacy professionals in IT Industries

Seminar on **Career Guidance** was held at **VIPER, ALE** on **20/09/2019** By **Mr. Srinivas Inamdar, Principal Advisor, Ex-Associate Director, Cognizant, Pune**

Addressing the students, he said that VIPER has always been looking forward to the guidance of the students and the successful future. For this purpose, the group organized career counseling seminars for the students. **More than 65 students** participated in the seminar.

To make the seminar an interactive one, he asked the students about their career preferences. He wanted to know about the career related scenario with the students, after listening to the students' views; they gave important information related to personality development and personal interview to the students by telling them about the preparations related to the students.




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Guidance lecture on Computational Modeling on QBD and DOE

DATE	23/01/2020
VENUE	VIPER, ale
NAME OF RESOURCE PERSON	Dr. Vinod Gaikawad, Poona COP, Pune
NUMBER OF STUDENTS PARTICIPATED	15



Guidance lecture on Computational Modelling on QBD and DOE

The VIPER, ALE organized Workshop on Guidance lecture on Computational Modelling on QBD and DOE on **23/01/2020** for the students of Pharmacy. The Seminar was conducted by **Dr. Vinod Gaikawad, Poona COP, Pune**

Quality by Design (QbD) Training on QbD was given in various modules.

1. The program includes introduction to QbD, QTPP, elements of QbD, Ishikawa diagram, Quality risk management (QRM), identification of CMA, CPP, continuous improvement, etc.
2. Introduction to PAT and lean drug manufacturing was also covered.
3. Hands-on training given for MiniTab and Design Expert software.

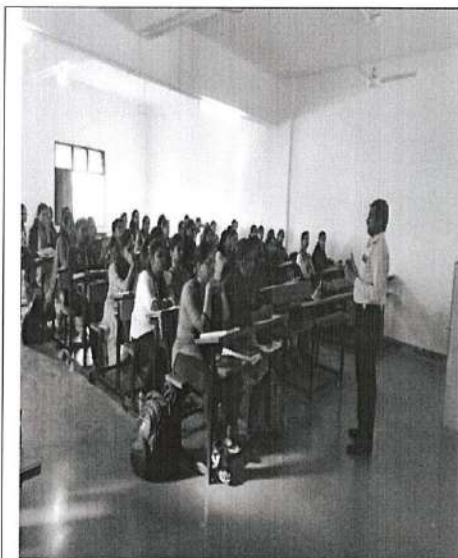
Design of Experiments (DOE)

The salient feature was the hands-on training on computer. Detailed knowledge on screening designs, factorial design, central composite design, and fractional factorial design. Stress given on interpretation of the results of multiple regression analysis. Introduction to multivariate tools. The participants were able to analyze the data and define the design space.




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Preparation of competitive Exam CAT, MBA	
DATE	31/01/2020
VENUE	VIPER ALE
NAME OF RESOURCE PERSON	Dr. Ramesh Kakad, SPCOMBA, Otur.
NUMBER OF STUDENTS PARTICIPATED	65



Preparation of competitive Exam CAT, MBA

A seminar on Preparation of competitive Exam CAT, MBA was held at VIPER, ALE on 10/01/2019 By Dr. Ramesh Kakad, sharadchandra Pawar Institute of MBA Otur..

Dr. Ramesh Kakad, delivered a lecture on managing finances. He said that one has to create a budget, control debt, set goals, identify requirements and place a value for money. He expressed that money cannot buy happiness, but it can certainly make one comfortable. The main point lies in understanding its worth. Each purchase represents a trade-off. One has to make the decisions wisely. Most of the financial decisions are a result of one's behavior. This may be difficult to monitor, but how we buy household items and one-off things such as car decides how our finances will shape up.




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New trends Scope in pharma & health care sector/ About MBA-Pharma program	
DATE	04/02/2020
VENUE	VIPER ALE
NAME OF RESOURCE PERSON	Mr. Rajesh Gade(Assistant prof. Lotus Business School Pune)
NUMBER OF STUDENTS PARTICIPATED	65



New trends Scope in pharma & health care sector/ About MBA-Pharma program

A seminar on New trends Scope in pharma & health care sector/ About MBA-Pharma program .was held at VIPER, ALE on 04/02/2020 By Mr. Rajesh Gade (Assistant prof. Lotus Business School Pune)

The seminar on “New trends Scope in pharma & health care sector/ About MBA-Pharma program” is unique. It has been planned and expected the key issues mentioned in the objective and it will be addressed by the leading experts from the respective areas.



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Dr. S. L. Jadhav
Principal

Ale, Tal. Junnar, Dist. Pune-412411 | Contact No. : 9892376014 | E-mail : vjsm.principal@gmail.com | Website: www.viperale.com

P.C.I. Inst. Code : PCI-2620 | D.T.E. Inst. Code : 6361 | University I.D. No. : CPHP012670

6. Industrial Visits



SciTech Specialities Pvt. Ltd.

Office: 501 DLH Park, S.V. Road, Goregaon (West), Mumbai 400 062. India • Tel: 22 417 50000
E-mail: scitech@scitech.net.in • CIN: U85190MH2007PTC175484
Factory: A-3/12/13, STICE Musalgaon, Tal: Sinnar, Dist: Nashik 422112.
Tel: +91 (2551) 240045 / 46 / 49 / 240244 Fax: +91 (2551) 240201 • E-mail: stsp@stsp.in

29/04/2022

To,
The principal,
Vishal Institute of Pharmaceutical Education & Research, Ale, Tal - Junnar,
Dist- Pune, 412411.

Subject: - Industrial Visit of B. Pharmacy (Final Year) Students & Staff.

Dear Sir,

1. We thank you for giving us an opportunity to conduct the students & staff for industrial visit on 29th April 2022.
2. Manager HR/Admin, Officer Production & Executive QA of our unit imparted training during the visit, and various queries and questions of the students have been answered.
3. We are glad to place on record the visit of Prof. Dr. Ashwini S. Bansode (Assistant Prof.) & Mr. Sachin Kadam (Assistant Prof.) with 37 students of B. Pharmacy (Final Year) on 29th April 2022, during which they actively interacted with our Manager HR/Admin, Office Production & Executive QA.
4. We are sure the above visit must have benefited your students in the ways of how industry works practically as against the theory which your students learned in their classrooms.
5. We thank you once again for the visit.

Yours Sincerely,

Mr. Chaitanya Borawake
Manager HR & Admin
SciTech Specialities Pvt. Ltd.





VISHAL JUNNAR SEVA MANDALS
VISHAL INSTITUTE OF PHARMACEUTICAL
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 AT - ALE, TAL - JUNNAR, DIST - PUNE MAHARASHTRA - 412411

ADMN/GEN/DI/28	DEPARTMENT: TRAINING AND PLACEMENT	A.Y. : 2021-22
RIV : 00	Industrial Visit Student List	

Industrial Visit Student List

Date: 29/04/2022

Company name: SciTech specialities Pvt Ltd, sinnar, Nashik

Roll No	Name	Signature	Signature
28	Bhakti Chaitanya	Kahane	
29	Asmita Bhausaheb	Kakade	
30	Rushikesh Balasaheb	Kakade	
31	Saurabh Sunil	Kanawade	
32	Jayesh Nalash	Khadsare	
33	Omkar Dilip	Khollam	
34	Pratiksha Subhash	Korade	
35	Tejas Vilas	Korade	
36	Akanksha Sunil	Lad	
37	Ashwini Arjun	Magar	
38	Ankita Laxman	Mahale	
39	Mansi Madhukar	Mali	
40	Shweta Rajesh	Mandlik	
41	Sucheta Dhondibhau	Mankar	
42	Shailesh Anil	Nighot	
43	Shruti Parshuram	Nilakh	
44	Sayli Ajit	Pansare	
45	Ashwini Mohan	Patade	
46	Gitanjali Dattatray	Patil	
47	Shraddha Shrimant	Pawar	
48	Gokul Ashok	Pawar	
49	Priyanka Dhondiram	Pukale	
50	Hritik Vitthal	Rokade	
51	Akash Maruti	Sable	
52	Kiran Devidas	Sabale	
53	Rushikesh Pandurang	Said	
54	Rohini Jagan	Sangale	





VISHAL JUNNAR SEVA MANDALS
**VISHAL INSTITUTE OF PHARMACEUTICAL
EDUCATION AND RESEARCH**
AT- ALE, TAL- JUNNAR, DIST - PUNE MAHARASHTRA - 412411

ADMN/GEN/DI/28	DEPARTMENT: TRAINING AND PLACEMENT	A.Y. : 2021-22
RIV :00	Industrial Visit Student List	

55	Sameer Latib	Sayyad	<i>Sameer Latib</i>
56	Shraddha Dinesh	Shinde	<i>Shinde</i>
57	Shweta Chandrashekhar	Shinde	<i>Shinde</i>
58	Tanuja Bhagwan	Tattu	<i>Tattu</i>
59	Rutuja Sandip	Thorat	<i>Thorat</i>
60	Ankita Santosh	Thube	<i>Thube</i>
61	Nikita Madhukar	Varhadi	<i>Varhadi</i>
62	Vikas Uddhav	Vetal	<i>Vetal</i>
63	Divya Ramdas	Waykar	<i>Waykar</i>
64	Ashwin Dayanand	Yerande	<i>Yerande</i>
65	Shubham Dattatray	Zinjad	<i>Zinjad</i>



Industrial visit @ SciTech Specialities Pvt Ltd Sinnar
Nashik. Date - 29/04/2022 Class :- final year
B.pharm



Industrial Visit at SuTech Specialties Pvt Ltd Sinnar
Nashik. Date - 22/04/2022, Class :- final yr. B.Pharm
& M. Pharm.



To,
The Principal,
VJSM, Vishal Institute of Pharmaceutical Education & Research,
Ale, Tal. Junnar, Dist. Pune

Dear Sir,

We thank you for giving us an opportunity to conduct the industrial visit for Third year B.pharm students & staff on 29/04/2022.

QC Head & QA Head of our plant imparted training during the visit, and various queries, questions of the students have been answered. We are glad to place on record the visit of the two assistant professor & 68 students of final year B.Pharm on 29/04/2022, during which they actively interacted with QC Head & QA Head.

We are sure the above visit must have benefited your students in the ways of how industry works practically as against the theory which your students learned in their classrooms.

We thank you once again for the visit.

Best Regards,



Dr. Nitin Salvi
Deputy General Manager & Head QC
Premium Serums & Vaccines Pvt. Ltd.





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VISHAL INSTITUTE OF PHARMACEUTICAL
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 AT- ALE, TAL - JUNNAR, DIST - PUNE MAHARASHTRA - 412411

ADMN/GEN/D1/28	DEPARTMENT: TRAINING AND PLACEMENT	A.Y. : 2021-22
RIV :00		
	Industrial Visit Student List	

Industrial Visit Student List

Date: 29/04/2022

Company name: Premium Serum & Vaccines Pvt Ltd, kandali Narayangaon.

Roll No	Name		Signature
1.	PRANALI KRISHNA	ARHANG	<i>Pranali</i>
2.	DARSHAN DIGAMBAR	ADAKI	<i>Adak</i>
3.	SANKET SUBHASH	AHER	<i>Sanket</i>
4.	VRUSHALI NAVNATH	AHER	<i>Pranali</i>
5.	PRATHAMESH SURESH	ALHAT	<i>Pranali</i>
6.	SHUBHAM GORAKSHANATH	BANGAR	<i>Shubham</i>
7.	PAYAL SANTOSH	BATWAL	<i>Payal</i>
8.	PUNAM DHONDIBHAU	BHANDARI	<i>Punam</i>
9.	DEVYANI BHASKAR	BHOR	<i>Devyani</i>
10.	KOMAL RAMESH	BHUJBAL	<i>Komal</i>
11.	ADITI MADHUKAR	BODKE	<i>Aditi</i>
12.	RUTUJA PRADIP	DEOKAR	<i>Rutuja</i>
13.	TEJASHREE SURESH	DEOKAR	<i>Tejashree</i>
14.	MRUNAL SAMBHAJI	DESHMUKH	<i>Mrunal</i>
15.	AKASH MANGESH	DHANGARMALI	<i>Akash</i>
16.	ANKUSH PARMESHWAR	DHAWALE	<i>Ankush</i>
17.	ANJALI VILAS	DONGRE	<i>Anjali</i>
18.	SHUBHANGI VITTHAL	DUMBRE	<i>Shubhangi</i>
19.	KIRTI RAJENDRA	FULSUNDAR	<i>Kirti</i>
20.	ARATI JALINDAR	GADGE	<i>Arati</i>
21.	SAGAR SANTOSH	GAIKWAD	<i>Sagar</i>
22.	RUTUJA DIPAK	GOPALE	<i>Rutuja</i>
23.	PRATIBHA BABAN	GUNJAL	<i>Pratibha</i>
24.	PRANITA PANDURANG	HADAWALE	<i>Pranita</i>
25.	ANKITA MAHESH	HANDE	<i>Ankita</i>
26.	APURVA RAJENDRA	HANDE	<i>Apurva</i>
27.	ARTI TUKARAM	HOLKAR	<i>Arti</i>

06-A6.





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ADMN/GEN/DI/28	DEPARTMENT: TRAINING AND PLACEMENT	A.Y. : 2021-22
RIV :00	Industrial Visit Student List	

Industrial Visit Student List

Date: 29/04/2022

Company name: Premium Serum & Vaccines Pvt Ltd, kandali Narayangaon

Roll No	Name	Signature	Signature
28	SHUBHAM ANIL	JADHAV	<i>[Signature]</i>
29	TRUPTI KISAN	JADHAV	<i>[Signature]</i>
30	AISHWARYA MUKUND	JADHAV	<i>[Signature]</i>
31	PRATIKSHA SUNIL	KALE	<i>[Signature]</i>
32	PRASHANT SAHEBRAO	KAPASE	<i>[Signature]</i>
33	SAKSHI SABAJI	KARDILE	<i>[Signature]</i>
34	PRAPTI ASHOK	KHEMNAR	<i>[Signature]</i>
35	SAKSHI SANTOSH	KHILARI	<i>[Signature]</i>
36	SHRADDHA LAXMAN	KHOKRALE	<i>[Signature]</i>
37	SHRADDHA SHARAD	KHOKRALE	<i>[Signature]</i>
38	PRANITA RAMBHAU	KHOSE	<i>[Signature]</i>
39	DHANESH MAHADEV	KOKATE	<i>[Signature]</i>
40	SURAJ PANDIT	KOTKAR	<i>[Signature]</i>
41	AISHWARYA CHANDRAKANT	KURHADE	<i>[Signature]</i>
42	MADHURI SAMBHAJI	KURHADE	<i>[Signature]</i>
43	Prajakta Balu	Kurkute	<i>[Signature]</i>
44	SHUBHAM SURESH	LAMKHADE	<i>[Signature]</i>
45	RUTIKA DASHRATH	LANDE	<i>[Signature]</i>
46	SHIVANI SHIVAJI	LOHATE	<i>[Signature]</i>
47	POOJA JAGANNATH	LOKHANDE	<i>[Signature]</i>
48	DIVYA DATTA	MALUSKAR	<i>[Signature]</i>
49	AKSHAY YASHWANT	MENGAL	<i>[Signature]</i>
50	SAKSHI BALAJIRAO	MUKHADE	<i>[Signature]</i>
51	GAURAV VINOD	MUNDHE	<i>[Signature]</i>





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ADMN/GEN/DI/28	DEPARTMENT: TRAINING AND PLACEMENT	A.Y. : 2021-22
RIV :00	Industrial Visit Student List	

52	VAIBHAV BABASAHEB	NAGARGOJE	<i>Deblohant</i>
53	JAYASHRI RAJARAM	NARAWADE	<i>OPK</i>
54	RANI GANESH	NEHARKAR	<i>Deharkar...</i>
55	DEEPAI SANDEEP	PATADE	<i>Patil</i>
56	SIDDHI SUNIL	PATIL	<i>Patil</i>
57	VIKRAM ARJUN	PAWAR	<i>Phalke</i>
58	VAISHNAVI AVINASH	PHALKE	<i>Phalke</i>
59	VAISHNAVI VITTHAL	POKHARKAR	<i>Pokharkar</i>
60	SAURABH BALASAHEB	RAUT	<i>Raut</i>
61	DEEPTI SUDHIR	RAYAT	<i>Rayat</i>
62	SONAL GANGADHAR	SAHANE	<i>Sahane</i>
63	PRANJAL SHIVAJI	SARODE	<i>Sarode</i>
64	ANUJA GOVIND	SASANE	<i>Sasane</i>
65	PRATIK SANTOSH	SHELKE	<i>Shelke</i>
66	GANESH VIJAY	SHEVKAR	<i>Shelke</i>
67	SHRADDHA GABAJI	SHINDE	<i>Shinde</i>
68	SUCHITA ANAND	SHIROLE	<i>Shirole</i>
69	SUNIL KASHINATHAPPA	SWAMI	<i>Swami</i>
70	SHRADDHA POPAT	TONPE	<i>Tonpe</i>
71	HARSHADA HANMANT	VHANANAVAR	<i>Vhananavar</i>
72	PRADNYA PRAKASH	WAKCHAURE	<i>Wakchaure</i>
73	PRANAV SHANKAR	WALUNJ	<i>P.S. Walunj</i>
74	RASIKA ARVIND	WAYKAR	<i>Waykar</i>







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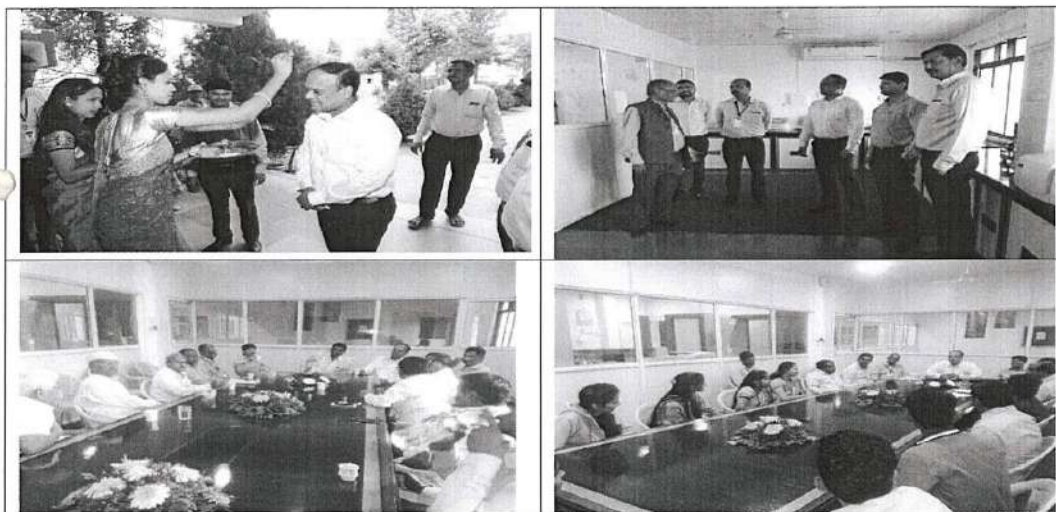
Dr. S. L. Jadhav
Principal

Ale, Tal. Junnar, Dist. Pune-412411 | Contact No. : 9892376014 | E-mail : vjsm.principal@gmail.com | Website: www.viperale.com

P.C.I. Inst. Code : PCI-2620 | D.T.E. Inst. Code : 6361 | University I.D. No. : CPHP012670

7. Campus interviews

Campus Interview- Lupin Pharmaceutical PVT LTD Mumbai	
Date	10/02/2018
Year	2017-18
Name Of Industry	Lupin Pharmaceutical PVT LTD Mumbai
Number of Students Participated	30
Number Of Students Participated	09



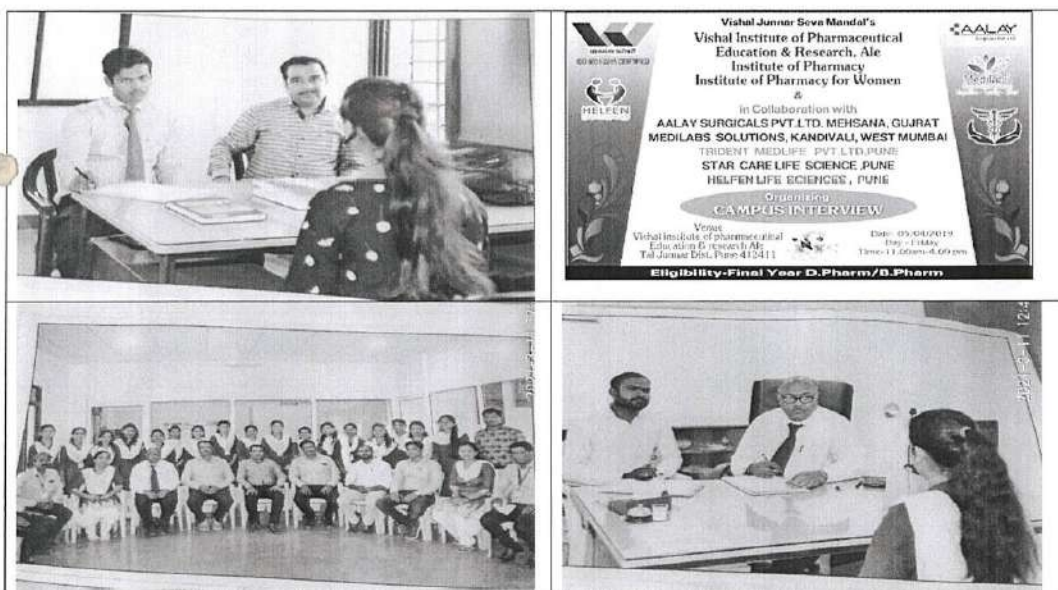
Pool Campus Drive of **Lupin Pharmaceutical PVT LTD Mumbai** for M. Pharm/B. Pharm (2016-17 pass out) students was organized for the post of Trainee/ Executive in QA & QC department on 10th February 2018. 38 applications from students of the different colleges were received through email. Out of which 30 were students appeared for the interview. The interview was conducted by Mr. Vitthal labade, HR manger and Mr.Akhilesh Jain QC manager.

Principal Dr. S.L.Jadhav inaugurated the interview programme. Training and Placement Officer Miss. A.S. Bansode, Dr. S M Dhobale and Faculty members took efforts in smooth conduction of interview.




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Campus Interview - Alay surgical Pvt ltd	
Date	05/04/2019
Year	2018-19
Name Of Industry	Alay surgical Pvt. Ltd.
Number Of Students Participated	78
Number Of Students Selected	27

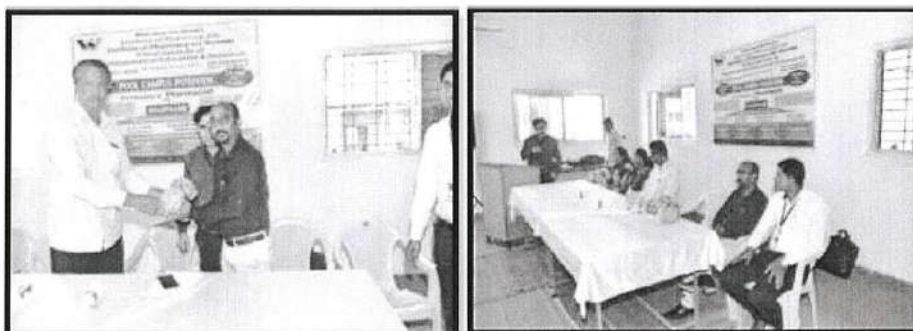


Campus Drive for D. Pharm /B. Pharm students was organized for the post of medical Representative on 05/04/2019. Total 78 were students appeared for the interview, out of this 27 students were shortlisted. Principal Dr. S.L. Jadhav welcomes the all interviewer. We in collaboration With Alay Surgical Pvt Ltd Gujarat, Medilabs Solution West Mumbai, Trident Medline Pvt Ltd Pune, Star Care Life Science Pune And Helfen Life Sciences Pune arranges campus drive at our institute. Representative from above company visitited our institute to take interview of our students. Training and Placement Officer Miss. A.S. Bansode, Dr. SM Dhobale and all Faculty members took efforts in smooth conduction of interview.




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Campus Interview - MedPlus optival health solution Pvt Ltd, Pune	
Date	12/02/2020
Year	2019-20
Name Of Industry	Medplus optival health solution, Pvt.Ltd. Pune
Number Of Students Participated	68
Number Of Students Selected	40

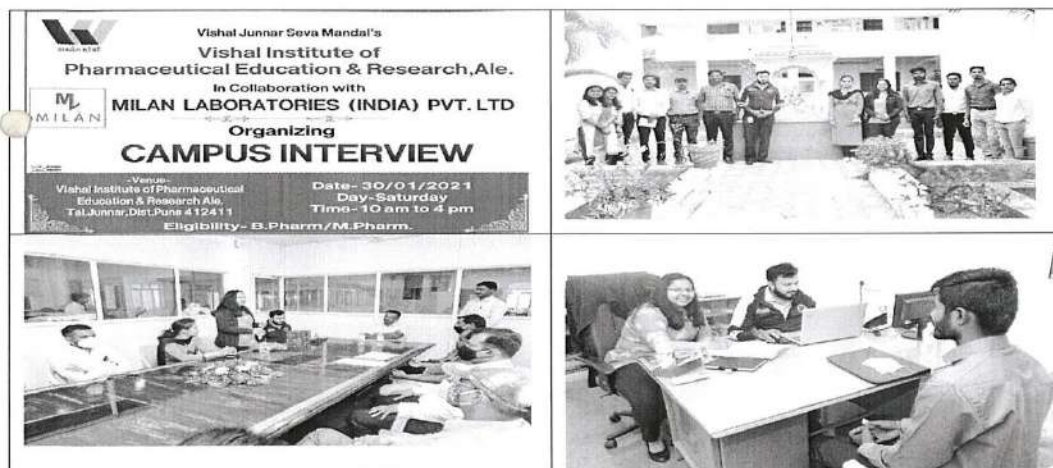


Medplus optival health solution, Pvt, Ltd, Pune has conducted Campus recruitment drive on 12th February 2020 in **VIPER College of Pharmacy ALE, JUNNAR**. Medplus optival health solution actively seeks and applies the best possible solutions and methodologies for enterprises today. Before starting the campus interview **HR manager Vinay Krishnani** and **store manager Anand Dandaik** give the introduction of Medplus optival solution Pvt Ltd. They guided our students regarding campus Interview and also told the growth progress of organization. Thus, they can help you achieve flexibility, accuracy and speed, thereby ensuring that the objectives of pharmacist are met. Around **68** students participated in the campus interview drive, **40** students get selected. Results were declared after the interview round was completed.




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Campus Interview - Milan Laboratories (India) pvt ltd	
Date	30/01/2021
Year	2020-21
Name Of Industry	Milan Laboratories (India) pvt ltd
Number Of Students Participated	38
Number Of Students Selected	08



We in collaboration with **MILAN laboratories Pvt Ltd, Mumbai**. We successfully conducted campus interview at our institute on **30/01/2021** for the final year B.pharm and M.pharm students. Total 21 students attended the campus interview; Out of 21 students 8 students secured the placement through the campus interview for the post of production officer and QA officer.



[Signature]
DR. S. S. PAL
 VISHAL INSTITUTE OF PHARMACEUTICAL
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 ALE TAL-JUNNAR DIST-PUNE 412411



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Dr. S. L. Jadhav
Principal

Ale, Tal. Junnar, Dist. Pune-412411 | Contact No. : 9892376014 | E-mail : vism.principal@gmail.com | Website: www.viperale.com

P.C.I. Inst. Code : PCI-2620 | D.T.E. Inst. Code : 6361 | University I.D. No. : CPHP012670

8. Pharmotsav Time Table

VISUAL PHARMOTSAV 2017-18

DATE	EVENT	TIME	TEACHING REPRESENTATIVE	NON-TEACHING REPRESENTATIVE	STUDENT REPRESENTATIVE
5/2/2018	BLOOD DONATION	11.00 TP 4.00			
6/2/2018	KHO-KHO (BOYS)	9.30 TO 1.00	KOKATE S V GAWARE R U	GUNJAL A C KALE G PADEKAR T	IOP -- AKASH SHINGOTE, TEJAS LONDHE, BHUJBAL AADESH VIPER -- RUSHIKESH KAD, GHODE AKASH, MAYUR GADGE, HARSHAL PADEKAR
	THROW BALL (GIRLS)		MAHAKAL A J, TAJANE T S, LOBHE G A	PATIL H C GAGE S P	IOP - MALGUNDE ANITA, SHIWETA SHINDE, RUTUJA KANASKAR IOPW -- AGHAV KAVITA, BHOSALE SHAIWANI VIPER -- PAYAL KUTE, NAGARE BHAKTI, RAJANIGANDHA JORI, MADHURI GUNJAL
	KABADDI (BOYS)	1.30 TO 4.00	WAGH R T DESHMUKH D B	KURHADE S A BANGAR B D	IOP - VIRAJ GAWADE, ABHISHEK KURHADE, BHUJBAL RUSHIKESH VIPER -- YENDHE SHUBHAM, UCHALE VIKAS, PRAFULLA ZAWARE, BALKRISHNA WAGHULE
	KHO-KHO (GIRLS)		TAJANE M.D. KAWADE A V BANSODE A S	PATIL H C GAGE S. P.	IOP - MIDGE PRATIKSHA, POONAM JADHAV, SHRADDHA KAMBLE IOPW -- DERE VARSHA, GHOLAP MADHURI VIPER -- SUPEKAR MADHURI, ABHANG DARSHAN, RUTUJA MHASKE, PUNAM WAVHAL
	QUIZ (BOYS/GIRLS)		CHINCHWADE A B, MAHAKAL A J DHOBALE S M	GUNJAL V K GAGE S P	IOP - CHAVHAN LACHUMAN, RATHOD VINAYA, CHATE PRAGATI, CHORMORE SUMIT, VARSHA KURHADE IOPW -- GHARAT NILAM, MALI MANASI VIPER -- LAMKHADE GANESH, LOKHANDE S, BALAJI MADOLE, GAURI MEHER
7/2/2018	CRICKET (BOYS)		WAGH R T, DESHMUKH D B	KURHADE S A CHAUDHARI B B	IOP - GANESH GUNJAL, ROHAN GADHAVE, BHUJBAL AADESH VIPER -- SARTHAK BANGAR, KALE RUSHIKESH, AKASH KHILARI, NITIN RATHOD
	BADMINTON (GIRLS)		TAJANE M D TAJANE T S MENDHEKAR S Y	GUNJAL A C PATIL H C GAGE S P	IOP- PRAGATI UNDE, ANKITA KASAYA, DIKSHA NEHARKAR IOPW -- WAIKAR TANUJA, CHAUDHARI SUJATA VIPER -- KADAM SHAMALI, SAHU NIKITA, MAYURI BANGAR MONIKA PADWAI



8/2/2018	CHESS (GIRLS)	9.30 TO 5.30	KAWADE A V MAHAKAL A J, LOBHE G A	AWATI S D WAGH K D	IOP - SHERAKAR GAURI, DANGAT CHAITALI, ASMA ZAMMADAR IOPW -- DAREKAR JYOTI, SUTAR ASMITA VIPER -- BORCHATE DHANSHREE, CHATE SHRADDHA, ARTI NIPUTRE, TRUPTI MATE
	CARROM (GIRLS)		TAJANE M D VACHANE R R PATHARE S D	PADEKAR T C MATRE B V	IOP - SANDHOR KOMAL, NAJUKA SHELKE, SHUBHANGI CHATE IOPW -- SARODE DHANASHREE, RENKE RENUKA VIPER -- BHUJBAL KADAMBARI, BHAGAT PRASHIKA, SONALI PADEKAR, AMRUTA BELHEKAR
	RUNNING (BOYS)	9.30 TO 10.30	KOKATE S V PATEL S G	BANGAR B D GUNJAL D K PADEKAR T C GUNJAL R S	IOP - DURGESH SHINDE, GANAPAT HAJARE, THORAT SURAJ VIPER -- DABHADE VIKRAM, KORADE KETAN, UTKARSH BARVE, AKSHAY HINGMIRE
	RUNNING (GIRLS)		MAHAKAL A J LOBHE G A	GUNJAL R S GAGE S. P.	IOP - KUTE PRANALI, DAWKHAR SUPRIYA, CHITRA DATE IOPW -- NIVDUNGE RUTUJA, SHEWALE AKSHADA VIPER -- KHATODE VAISHNAVI, MANCHARKAR PRATIKSHA, NEHA PAWAR, ASHWINI PINGAT
	CHESS (BOYS)	9.30 TO 5.30	WAGH R T SONAWANE A A	AWATE S D GUNJAL V. K.	IOP - HEMAN CHAUDHARI, NAVALE SURAJ, KADAM AKSHAY VIPER -- JADHAV NIKHIL, KALE KARTIK, TANAJI DERE, RUPESH BHALERAO
	BADMINTON (BOYS)		KOKATE S V HOLE M B	KALE G. AWATE S. KALE G. A	IOP - ABHISHEK KURHADE, GANESH GUNJAL, GIRAMKAR PRAVIN VIPER -- YEOLE RUSHIKESH, SHEREKAR NILESH, SANKET BHUJBAL, SHUBHAM BHUJBAL
	CARROM (BOYS)		WAGH R T KADAM S S	BANGAR B D MATRE B V	IOP - ABHISHEK KURHADE, GAHINE PRITESH, GHADGE SUDARSHAN VIPER -- DHOBULE RUSHIKESH, JADHAV MANISHA, OMKAR LONDHE, TUSHAR MAHAMUNI
	CRICKET (GIRLS)		TAJANE M D KAWADE A V DESHMUKH D B, SONAWANE A. A.	GUNJAL A C NIMSE D. GUNJAL D.K	IOP - RATHOD VINAYA, CHATE PRAGATI, SAYLI KHANDGE IOPW -- WAGHOLE NIKITA, TAMBE SWETA VIPER -- PAWAR AISHWARYA, HOLKAR MAYURI, YASMIN PATEL



9/2/2018	POSTER (BOYS/GIRLS)	9.00 TO 10.00	CHINCHWADE A B, MAHAKAL A J GADHAVE M V	GUNJAL V K KALE G A	IOP - NIKHIL GAIKWAD, SAMBHERAO KOMAL, CHORMORE SUMIT, BHAGYASHRI PATIL IOPW -- CHASKAR MONIKA, SHERKAR SAYALI VIPER -- LOHOTE ANUJA, SODNAR BALASAHEB, CHETNA BALSARAF, AKSHADA SURYANWANSHI
	TRADITIONAL DAY	10.00 TO 01.00	TAJAVE A S MENDHEKAR S Y	GUNJAL A C MATRE B V PADEKAR T. C.	IOP - SIDDHESH WABALE, SHIWETA SHINDE, MAHALE DIPAK, SHRADDHA KAMBLE IOPW -- KEHBADE PRACHI, BHOSALE TEJASHREE, AUTI AKANSHA, KARKHILE RAJASHREE VIPER -- NAYKODI SAYLEE, SONWANE ADITYA, PRATISHA KADALE, AKSHADA HULAWALE
	MEHANDI (BOYS/GIRLS)	2.00 TO 3.00	TAJANE M D, TAJANE T S, LOBHE G A	PATIL H C GAGE S.	IOP - GAHINE PRITESH, GAURI SHERKAR, GHORPADE ROHIT, GANGA JAYBHAYE IOPW -- YEDE ASHWINI, POPALGHAT AKSHADA VIPER -- WANI AKSHADA, MANGESH GANIARE, SHITAL GHODEKAR, RACHANA SALI
	VOLLEY BALL (BOYS)	3.00 TO 5.30	WAGH R T KUMBHAR U R	WAGH K D GUNJAL D D.,	IOP - GAWADE VIRAJ, ABHISHEK KURHADE, SHEWALE SAMPAT VIPER -- BHAMBERE AKSHAY, THORAT NISHA, PRATIK THORAT, SWAPNIL DUKARE
	FOOD ARRANGMENT (BOYS/GIRLS)	10.00 TO 11.00	TAJANE M D, KAWADE A V MENDHEKAR S Y	MATRE B. V. GAGE S P	IOP - DURGESH SHINDE, GANPAT HAJARE, PRIYANKA MORADE, BELKAR VISHAL, BELKAR VISHAL, VARSHA KURHADE IOPW -- CHAUGHULE TRUPTI, THORAT TANVI VIPER -- GAWARI PRATIKSHA, HARSHAD GANDHI, JYOTI DESHMANE, MONIKA BORCHATE
	DRAMA (BOYS/GIRLS)				IOP - GANPAT HAJARE, DURGESH SHINDE, NAJUKA SHELKE IOPW -- DHONGADE JANHAVI, SONAWANE PRATIKSHA VIPER -- SHIROLE PRATHAMESH, MAYURESH WALUNI, POONAM MHASKE, HADE AKASH



10/2/2018	SINGLE ACT PLAY (BOYS/GIRLS)	9.30 TO 05.00	CHINCHWADE A B SAWANT S E KOLHE S S BANSODE A S	WAGH K D GUNJAL A C CHOUDHARI B B. PADEKAR T.C.	IOP - GANPAT HAJARE, DURGESH SHINDE, NAJUKA SHELKE, KHANDESHE RUSHIKESH, DIKSHA NEHARKAR
	FASHION SHOW				IOPW -- KEHBADE PRACHI, LOKHANDE POOJA VIPER -- WAGH RUTUJA, SAYALI JADHAV, MONIKA VARHADJI, AKSHAY YEWALE IOP - GANPAT HAJARE, DURGESH SHINDE, PRAGATI CHATE, POONAM JADHAV, BHUJIBAL AADESH, PRIYANKA KANAKDHAR IOPW -- WAKCHAURE KETAKE, BANGAR PRAJAKTA VIPER -- NAMADE MAYURI, SAGAR JADHAV, RUTUJA BADAR, POONAM AHER
	DEBATE	4.30 TO 5.30	TAJANE T S, KOKATE S V DHOBALE S M	KURHADE S A BANGAR B. D.	IOP - NIMSE GANESH, MIDGE PRATIKSHA, GIRAMIKAR PRAVIN, SANIKA SAKHALA IOPW -- CHASKAR MONIKA, KALE PRITAM VIPER -- BRAMHANE POONAM, SRUTIKA SHINDE, KOMAL SHINDE, SONALI LOKHANDE
	RANGOLE (BOYS/GIRLS)				IOP - SHINGOTE AKASH, KUTE PRANALI, PRATIK DHOLE, PRIYANKA KANAKDHAR IOPW -- BHOSALE RESHMA, GHAIKHE MONIKA VIPER -- VAISHNAVI GUNJAL, ROHIT BHOSALE, SHITAL GADEKAR, KALYANI WAKCHAURE
	FLOWER ARRANGEMENT	9.00 TO 10.00	MAHAKAL A J, LOBHE G A	PATIL H C GAGE S. P.	IOP - VIRAJ GAIKWAD, PRAJAKTA KOKATE, SHEWALE SAMPAT, RUTUJA KANASKAR IOPW -- SAHANE SMITA, BHADRIGE ANKITA VIPER -- FULSUNDAR ABHISHEK, SONALI ITHAPE, LEENA HANUMANTE, ETISHRI SABLE
	CULTURAL PROGRAMME				IOP - DHIRAJ CHALAK, BATHOD VINAYA, KADAM AKSHAY, SAYLI KHANDGE IOPW -- BHAMBERE KOMAL, THOMBRE VISHAKHA, KADAM SHRADDHA, CHIKANE JYOTI VIPER -- SUMBLANE SHIVANI, SHUBHAM GADGE, PRIYANKA SHINDE, PRAJAKTA GAIKWAD



11/2/2018	PRIZE DISTRIBUTION INAUGURATION	11.00 TO 7.00	SHEWANTE T.B, TAMBE S.T	WAGH K.D GUNJAL V.K GUNJAL A.C KALE G.A PADEKAR T.C	IG. - PATIL PARESH, KHARAT VISHWAJIT, SHIWETA SHINDE, NAJUKA SHELKE, YERANDE KARTIK, VARSHA KURHADE
	LUNCH COMMITTEE				IOPIW - TAWARE KAVITA, WAGH VISHRANI, KURHADE SHRAODHA, PATHAN TABBASUM, DIGHE SEJAL
	CULTURAL PROGRAMME				VIPER - GALANDE ANKIT, SONAL WAPHARE, NEHA VISHWKARMA, PRAJAKTA GAIKWAD
			IOP - ROHAN GADHAVE, GAHINE PRITESH, PRAGATI UNDE, POONAM JADHAV, GANGA JAYBHAYE, BAHIRAT KUNAL		
			ALHAT CHINCHWADE KOKATE SAWANT KOLHE S.S BANSODE A.S	WAGH K.D GUNJAL V.K GUNJAL A.C KALE G. PADEKAR T.	VIPER - SUMBLANE SHIVANI, SHUMBAM GADGE, PRIYANKA SHINDE, PRAJAKTA GAIKWAD




(Cultural Committee)


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VISHAL PHARMOTSAV 2022-23					
DATE	EVENT	TIME	TEACHING REPRESENTATIVE	NON-TEACHING REPRESENTATIVE	STUDENT REPRESENTATIVE
17/02/2023	BLOOD DONATION	11.00 TO 4.00			
20-02-2023 THEME OF THE DAY 'HAT & GOGGLE DAY'	KHO-KHO (BOYS)	9.30 TO 1.00	GULVE RUTUJA GAWARE R U	CHOUDHARY B B KALE G A PADEKAR T C	IOP -- VIPER --
	THROW BALL (GIRLS)		MAHAKAL A J PHALLE SUPRIYA LOBHE G A	PATIL H C RAHINJ	IOP - IOPW -- VIPER --
	KABADDI (BOYS)		BHUJBAL T P KADAM S S GADHAVE M V	BANGAR B D	IOP - VIPER --
	KHO-KHO (GIRLS)		KHEMNAR P R KAWADE A V PAWAR S B	PATIL H C RAHINJ	IOP - IOPW -- VIPER --
	QUIZ (BOYS/GIRLS)	4.00 TO 5.30	PIMPAL P R INDORE P B DHOBAL S M	GUNJAL V K KALE G A	IOP - IOPW -- VIPER --
	CRICKET (BOYS)	9.30 TO 5.30	GULVE RUTUJA HOLE M B SONAWANE A A	KURHADE S A CHAUDHARI B B	IOP - VIPER --
	BADMINTON (GIRLS)		BHUJBAL T P PHALLE SUPRIYA HOLKAR M S	CHOUDHARI B B PATIL H C AUTI S D	IOP - IOPW -- VIPER --
	CHESS (GIRLS)		KAWADE A V GITE D S MAHAKAL A J	AWATI S D GUNJAL D K	IOP - IOPW -- VIPER --
	CARROM (GIRLS)		INDORE P B KHEMNAR P R JORVEKAR A J	PADEKAR T C MATRE B V	IOP - IOPW -- VIPER --
22-02-2023 THEME OF THE DAY 'MIS-MATCH DAY'	TUG OF WAR (BOYS)	9.30 TO 10.30	PIMPAL P R GAWARE R U	BANGAR B D PADEKAR T C GUNJAL R S	IOP - VIPER --
	TUG OF WAR (GIRLS)		KAWADE A V LOBHE G A KHEMNAR P R	GUNJAL R S KALE G A	IOP - IOPW --



	CHESS (BOYS)		GULWE RUTUJA SONAWANE A A	AWATE S D GUNJAL V. K.	VIPER -- IOP - VIPER --
	BADMINTON (BOYS)	9.30 TO 5.30	BHUJBAL T P HOLE M B	CHOUDHARI B B AWATE S D KALE G. A	IOP - VIPER --
	CARROM (BOYS)		PIMPAL P R KADAM S S	BANGAR B D MATRE B V	IOP - VIPER --
	CRICKET (GIRLS)		MAHAKAL A J KAWADE A V JORVEKAR A J SONAWANE A A	GUNJAL R S	IOP - IOPW -- VIPER --
23/02/2023	TRADITIONAL DAY	10.00 TO 01.00	LONDHE R A TAJAVE A S CHINCHAWADE A B	CHOUDHARI B B MATRE B V PADEKAR T C	IOP - IOPW -- VIPER --
	DRAWING (BOYS/GIRLS)	2.00 TO 3.00	KHEMNAR P R INDORE P B GITE D S	PATIL H C KALE G A.	IOP - IOPW -- VIPER --
	VOLLEY BALL (BOYS)	3.00 TO 5.30	MAHAKAL A J KUMBHAR U R	GUNJAL D D	IOP - VIPER --
24/02/2023	DRAMA (BOYS/GIRLS)				IOP - IOPW -- VIPER --
	SINGLE ACT PLAY (BOYS/GIRLS)	9.30 TO 05.00	LONDHE R A KOLHE S S CHINCHAWADE A B KAWADE A V	CHOUDHARI B B. PADEKAR T C	IOP - IOPW -- VIPER --
	FASHION SHOW				IOP - IOPW -- VIPER -- IOP -



25-02-2023 THEME OF THE DAY 'RETRO DAY'	DEBATE	4.30 TO 5.30	PALLE SUPRIYA TAJANE T S CHOBAL S M	GUNJAL D K BANGAR B D	IOPW --
					VIPER --
	RANGOLE (BOYS/GIRLS)	9.00 TO 10.00	INDORE P B MAHAKAL A J GADHAVE N S	PATIL H C AUTI S	IOP --
					IOPW --
		11.00 TO 7.00			VIPER --
	FLOWER ARRANGEMENT		HOLKAR M S TAJANE T S MAHAKAL A J	PATIL H C SHINDE ANAND	IOP --
					IOPW --
	CULTURAL PROGRAMME		KAWADE A V / LONDHE R A / KOLHE S S / CHINCHAWADE A B	GUNJAL V K CHOUDHARI B B KALE G A PADEKAR T C	VIPER --
	PRIZE DISTRIBUTION INAUGURATION		SHIWANTE T B TAMBE S Y	GUNJAL V K CHOUDHARI B B KALE G A PADEKAR T C	IOP --
					IOPW --
	LUNCH				VIPER --
	CULTURAL PROGRAMME		KAWADE A V / LONDHE R A / KOLHE S S / CHINCHAWADE A B	GUNJAL V K KALE G A PADEKAR T.	VIPER --



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Dr. S. L. Jadhav
Principal

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P.C.I. Inst. Code : PCI-2620 | D.T.E. Inst. Code : 6361 | University I.D. No. : CPHP012670

9. Conduct of continuous internal Assessment & Continuous assessment format



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Tutorial No. A - open book test

Subject : Biochemistry Roll No. : 51

Name : Konade Pratiksha S. Marks : 3/10

Class : E.Y.B.Pharm Sem. : II

Date : 4 / 4 / 2019

Name & Signature of Subject Incharge Sonawane AA

Start writing from this page

- Q.1) Any one invert sugar.
→ Sucrose.
- 2) Hormones affecting homeostasis of glucose.
→ Glutagon & insulin.
Growth hormone, insulin & ADH.
- 3) Example of essential amino acid.
→ Valine, Threonine, Leucine, isoleucine,
Tryptophan, Lysine, methionine, phenylalanine.
- 4) Full form of H& S-GPT.
→ Serum glutamate phosphate transaminase.
- 5) Examples of pyrimidine bases.
→ Uracil, thymine, cytosine, 5-methylcytosine.
- 6) Enzymes involved in conversion of pyruvate to acetyl co-enzyme-A.
→ Thylamine pyrophosphate, lipoamids.
- 7) Examples of phospholipids.
→ Phosphatidyl choline & phosphatidyl ethanolamine



- 8) Examples of mono-unsaturated fatty acid.
 → Palmitic and stearic acids namely palmitoleic & oleic acid resp.
- 9) Any three pathways of disposal of Nitrogen.
 → 1) Synthetic pathway
 2) formation of urea.
 3) Glutamine pathway
 4) Direct excretion.

10) Any three difference betⁿ DNA & RNA.

Page-99

DNA	RNA
1) DNA it is double stranded.	1) RNA it is a single stranded.
2) The sugar moiety is deoxyribose.	2) The sugar moiety is D-ribose
3) Heat, acid & alkali denature DNA molecules.	3) The alkali hydrolysis is useful diagnostically & analytically.
4) They are concerned with protein synthesis.	4) They are also concerned with protein synthesis.
5) They are present in nucleus.	5) They are present in cytoplasm.





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10. Model Assignment

Physical Pharmaceutics-I Assignment

Propellant -

Propellants are responsible for developing the pressure in the aerosols container and also it expel the product from the container when the valve is opened and helps in expelling the product by atomization of contents or by causing foam production of the product, when propellant is a liquefied gas or a mixture of liquefied gases, it frequently serves the propellant and solvent or vehicle for the product concentrate.

Types of propellant -

Depending on the route of administration and use, the propellant can be classified as -

1) Type-I propellant A -
liquefied gas

a) for oral and inhalations

(fluorinated hydrocarbons) -

1) Trichloromonofluoromethane

(propellant 11)

2) Dichlorodifluoroethane

(propellant 12)



a) Dichlorotetrafluoroethane

(Propellant 114)

b) Topical pharmaceutical agent or aerosols (hydrocarbons)

1) Propane

2) Butane

3) Isobutane

ii) Type II propellant B - compressed gas propellants

a) compound gases

1) Nitrogen

2) carbon dioxide

3) Nitrous oxide

propellant is a material that is liquid under pressure conditions existing inside the container but that forms a gas under normal atmospheric conditions

Chlorofluorocarbons & hydrofluorocarbons have traditionally been utilized as propellants in these products due to their physiochemical properties.

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Assignment

a) Dichlorotetrafluoroethane
(Propellant 114)

b) Topical pharmaceutical agent
or aerosols (hydrocarbons)

1) Propane

2) Butane

3) Isobutane

ii) Type II propellant B -
compressed gas propellants

a) compound gases

1) Nitrogen

2) carbon dioxide

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propellant is a material that is
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chlorofluorocarbons & hydro-
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Solid state.

Crystal system -

Most pharmaceutical solid have crystals in size range 50-300 μm . In the design of dosage form, crystalline materials are preferred in some cases, while they are not recommended in certain areas. Most solids exist in crystalline state.

Crystallinity is defined as co-ordination of matter resulting from an orderly cohesive 3D arrangement of its component particle in space.

3D arrangement is called as crystal lattice or space lattice.

In pictorial representation, points indicate position of particles. The position occupied by particles are called lattice sites or lattice points.

The angle between the two perpendiculars to the two intersecting forces is termed as 'Interfacial angle'.

In crystals, the crystal lattices are represented several times.

The smallest geometrical portion of the crystal, which is repetitive unit to build up the whole crystal is called as 'unit cell'.

The angles between the unit cell edges are small as interfacial angles.

Bravais Lattice system -

Crystal assume a number of geometric structure. The 3D system may be represented by x, y and z axes. To characterise them, the following parameters are considered.

The length of unit size edges a, b, c.



Angle between the unit cell edges α, β, γ
 Based on these parameters, crystals may have innumerable geometric structure
 No. of geometric structure - 2300
 No. of type of space lattice - 14
 No. of crystal system - 7

For drugs, there are only three common type of unit cells, triclinic, monoclinic, or the rhombic.

- 1) Cubic eg NaCl, KCl
 $\alpha = \beta = \gamma = 90^\circ$
 $a = b = c$
- 2) Tetragonal eg urea
 $\alpha = \beta = \gamma = 90^\circ$
 $a = b \neq c$
- 3) Hexagonal eg Ice crystal, thymol
 $\alpha = \beta = 120^\circ, \gamma = 120^\circ$
 $a = b \neq c$
- 4) Rhombohedral eg Barium sulphate
 $\alpha = \beta = \gamma \neq 90^\circ$
 $a = b = c$
- 5) Orthorhombic
 $\alpha = \beta = \gamma = 90^\circ$
 $a \neq b \neq c$
- 6) Monoclinic eg sucrose
 $\alpha = \beta = 90^\circ, \gamma \neq 90^\circ$
 $a \neq b \neq c$
- 7) Triclinic eg phenolphthalein, CuSO_4
 $\alpha \neq \beta \neq \gamma \neq 90^\circ$
 $a \neq b \neq c$

crystal Habit -

The crystal of a given substance may vary in size, relative development of faces, no. of faces and the kind of faces present. This term are termed as 'crystal habit'.

Crystal habit is description of appearance of crystal.

Many drug can exist in more than one crystalline form. Crystal habit influence the following ways:-



- a) The ability to inject a suspension using a syringe needle. Plate like crystal are easier to inject than that of needle like crystal.
- b) The flow of properties and ease of compression. The habit of crystal depends on the conditions of crystallization such as solvent used, temp, conc, presence of impurities in solution.
- 1) supersaturation tends to transform a prism of or granule to needle shape
 - 2) cooling rate and agitation is effective in changing habit, since it changes the degree of supersaturation.
 - 3) The crystalline solvent affects habits by preferential absorption on the certain faces there by inhibiting their growth
 - 4) Addition of cosolvent, other solutes and ions may change habit by poisoning the crystal growth in one or more direction. Sodium chloride is usually cubic, but urea cause sodium chloride crystal to have an octahedral habit.



Solution of Electrolyte & Nonelectrolyte

1) Percentage by mass -

It is defined as "the number of grams of solute present in 100gm of solution". Eg. A 20% solution of NaOH by weight contains 20 parts by mass of NaOH by dissolves in 80 parts by mass of water. Generally this unit is used to prepare solution of appropriate concentration.

2) Normality (N) -

Normality is the number of gram equivalents of solute present in 1000 ml of solution. Normality is represented by symbol 'N'.

$$\text{Normality (N)} = \frac{\text{Gram equivalent of solute}}{1000 \text{ ml of solution}}$$

3) Molarity (M)

Molarity is defined as moles (gm molecular weight) of solute in 1 litre of solution.

$$\text{Molarity } M = \frac{\text{moles of solute}}{\text{litres of solution}}$$

4) molality (m)

molality is a conc. unit based on the number of moles of solute per kilogram of solvent.



Page: _____
Date: / /

$$\text{molality (m)} = \frac{\text{moles of solute}}{\text{Kilogram of solvent}}$$

85) Mole fraction -
" Ratio of the moles of one constituent (eg the solute) of a solution to the total moles of all constituents (solute & solvent)

$$x_1 = \frac{n_1}{n_1 + n_2}$$





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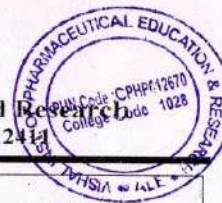
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11. Time Table for Internal Exams



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EXAM/DI/32	Department: Examination Department	Academic Year: 2018-19
Rev : 00		
Date: 12/03/2019	Sessional Time Table (B.Pharm.)	

Time table for B.Pharm. Sessional (2015 Pattern) & Second Sessional (2018 Pattern) Examination

Sr. No.	Day & Date	F.Y. B.Pharm. Sem-II	S.Y. B.Pharm. Sem-IV	T.Y. B.Pharm. Sem-VI	Final Yr. B.Pharm. Sem-VIII
	Time :-	11.30am-12.30pm	03.00pm-04.00pm	11.30am-12.30pm	03.00pm-04.00pm
1	23/03/2019 Saturday	Human Anatomy & Physiology -II	Physical Pharmaceutics-II	Industrial Pharmacy - II	Advanced Drug Delivery System
2	25/03/2019 Monday	Pharmaceutical Organic Chemistry-I	Pathophysiology & Clinical Biochemistry	Pharm. Analysis -IV	Cosmetic science
3	26/03/2019 Tuesday	Biochemistry	Pharm. Organic Chemistry - IV	Medicinal Chemistry- II	Pharmaceutical Analysis-VI
4	27/03/2019 Wednesday	Pathophysiology	Pharm. Analysis -II	Pharmacology-III	Medicinal Chemistry-IV
5	28/03/2019 Thursday	Computer Applications in Pharmacy	Pharmacognosy & Phytochemistry-II	Natural Product Chemistry	Pharmacology-V
6	29/03/2019 Friday	Environmental Sciences	Pharmaceutical Engineering	Bioorganic Chemistry & Drug Design	Natural Products
7	30/03/2019 Saturday	-	-	Pharmaceutical Biotechnology	Quality Assurance Tech.

Practical Examination Schedule:

14/03/2019 to 22/03/2019 (As per Academic Timetable)

SATURDAY's academic schedule shall take effect on 22/03/2019.


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COLLEGE CODE-1028



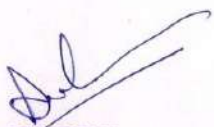
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EXAM/DI /33	Department: Examination Department	Academic Year: 2018-19
Rev : 00		Branch: Pharmaceutics
Date: 12/02/2018	Sessional Time table (M.Pharm.) (2)	Sem: II

M.Pharm. Ist Sessional Examination Time Table 2018 -19

Sr. No.	Day, Date & Time	Theory / Practical	Subject
1	27/02/2018, Wednesday Time: 10.30am-11.30am	Theory	Molecular Pharmaceutics (Nanotech and targeted DDS, MPH201T)
2	28/02/2018, Thursday Time: 10.30am-11.30am		Advanced Biopharmaceutics and Pharmacokinetics (MPH202T)
3	01/03/2018, Friday Time: 10.30am-11.30am		Computer Aided Drug Delivery System (MPH203T)
4	05/03/2018, Tuesday Time: 10.30am-11.30am		Cosmetics And Cosmeceuticals (MPH204T)
5	25/02/2018, Monday Time: 10.00am-4.00pm	Practical	Pharmaceutics- II


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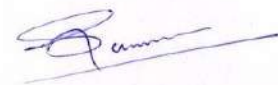
EXAM/DI/33	Department: Examination Department	Academic Year: 2018-19
Rev : 00		Branch: Pharmaceutical Quality Assurance
Date: 12/02/2018	Sessional Time table (M.Pharm.) (I)	Sem: II

M.Pharm. Ist Sessional Examination Time Table 2018 -19

Sr. No.	Day, Date & Time	Theory / Practical	Subject
1	27/02/2018, Wednesday Time: 10.30am-11.30am	Theory	Hazards and safety Management (MQA201T) ✓✓
2	28/02/2018, Thursday Time: 10.30am-11.30am		Pharmaceutical Validation (MQA202T) ✓✓✓
3	01/03/2018, Friday Time: 10.30am-11.30am		Audits & Regulatory Compliance (MQA203T) ✓✓
4	05/03/2018, Tuesday Time: 10.30am-11.30am		Pharmaceutical Manufacturing Technology (MQA204T) ✓✓
5	25/02/2018, Monday Time: 10.00am-4.00pm	Practical	Pharmaceutical Quality Assurance- II X


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EXAM/DI /33	Department: Examination Department	Academic Year: 2018-19
Rev : 00		Branch: Pharmaceutics
Date: 12/03/2018	Sessional Time table (M.Pharm.) (II)	Sem: II

M.Pharm. IInd Sessional Examination Time Table 2018 -19

Sr. No.	Day, Date & Time	Theory / Practical	Subject
1	01/04/2019, Monday Time: 11.30am-12.30pm	Theory	Molecular Pharmaceutics (Nanotech and targeted DDS, MPH201T)
2	02/04/2019, Tuesday Time: 11.30am-12.30pm		Advanced Biopharmaceutics and Pharmacokinetics (MPH202T)
3	03/04/2019, Wednesday Time: 11.30am-12.30pm		Computer Aided Drug Delivery System (MPH203T)
4	04/04/2019, Thursday Time: 11.30am-12.30pm		Cosmetics And Cosmeceuticals (MPH204T)
5	29/03/2019, Friday Time: 10.00am-4.00pm	Practical	Pharmaceutics- II


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EXAM/DI /33	Department: Examination Department	Academic Year: 2018-19
Rev : 00		Branch: Pharmaceutical Quality Assurance
Date: 01/03/2019	Sessional Time table (M.Pharm.) (II)	Sem: II

M.Pharm. IInd Sessional Examination Time Table 2018 -19

Sr. No.	Day, Date & Time	Theory / Practical	Subject
1	01/04/2018, Monday Time: 11.30am-12.30pm	Theory	Hazards and safety Management (MQA201T)
2	02/04/2018, Tuesday Time: 11.30am-12.30pm		Pharmaceutical Validation (MQA202T)
3	03/04/2018, Wednesday Time: 11.30am-12.30pm		Audits & Regulatory Compliance (MQA203T)
4	04/04/2018, Tuesday Time: 11.30am-12.30am		Pharmaceutical Manufacturing Technology (MQA204T)
5	29/03/2018, Monday Time: 10.00am-4.00pm	Practical	Pharmaceutical Quality Assurance- II

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12. Model Sessional Theory Paper



54

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A/P- Ale, Tal-Junner, Dist-Pune, Maharashtra – 412 411

Roll No.



EXAM/DI/45	Department: Examination Department	Academic Year: 2018-19	
Rev : 00		Class : Final B.Pharm.	Sem: III
Date: 30.10.2018	Theory Sessional Question Paper (B.Pharm. 2015 Pattern)	Sub Code: 476	Marks: 20

Sub: Biopharmaceutics & Pharmacokinetics

Time: 60mins

Instructions to candidate:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Illustrate your answers with diagrams wherever necessary.

Que.1 Attempt any three.

2 × 3 = 06

- a) Describe BBB.
- b) Discuss the term 'Volume of distribution'.
- c) Explain the mechanism of absorption, where drug need not to be present in solution state.
- d) What is biotransformation?
- e) Explain Sigma minus method.

Que.2 Attempt any two.

4 × 2 = 08

- a) Discuss the limitations of pH-partition hypothesis.
- b) Write a note on infusion plus loading dose.
- c) Explain Michaelis-Menten kinetics along with estimation of K_m & V_{max} .

Que.3 Attempt any one.

6 × 1 = 06

- a) Assess various pharmacokinetic parameters for the drug that follows one compartment kinetics after i.v. bolus dose.
- b) Explain methods for estimation of absorption rate constant for a drug followed by its extravascular administration.





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ISO 9001:2015 CERTIFIED Roll no:

EXAM/DI/48		Department: Examination Department	Academic Year: 2018-19	
Rev : 01	Dated 25.01.2019		Sem.: II	Sub code:MQA204T
Date: 04/04/2019		Theory Sessional Question Paper (M.Pharm. 2018 Pattern)	Sessional:II	Marks: 15

Sub: Pharmaceutical Manufacturing Technology

Time : 60min.

Instructions to candidate:

1. Question No .1 is compulsory.
 2. Figures to the right indicate full marks.
 3. Illustrate your answers with diagrams wherever necessary.
-

Que.1 Describe in details process atomization in manufacturing of tablet in pharmaceutical industry 05

Que.2 Attempt any four 4 × 2.5 = 10

- A) Explain fluidized bed coating technology.
- B) Explain different types of plastics used in packaging.
- C) Write note on quality control test for glass .
- D) Write note on quality control test for capsule .
- E) Explain different types of closures.
- F) Write about stability aspect of packaging .





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Principal

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13. Model TheorySessional Invigilation Register

VISHAL JUNNAR VISHAL INSTITUTE OF PHARMACEUTICAL SESSIONAL INVIGILATION							
Sr. No.	Day & Date	Time	Subject	Class	Sem	Hall No.	Name of Supervisor
			First Sessional	Theory			Exam
13	Monday 24-02-2020	3:00pm - 4:30 pm	POC-III	SYB Pharm	II	01	Mr. D.R. Kumbhar
						02	Mr. G.S. Dhobale
			HAP-II	BYB Pharm	II	03	Miss. R.S. Chaudharia
			HAP-II	BYB Pharm	II	04	Mr. S.S. Kadam
			NP/HSM	BYB Pharm	II	05	
23	Tuesday 25/02/2020	11:00 am - 12:30 pm	POC-I	AYB Pharm	II	01	Miss. B.Z. Dordip
					02	Miss. A.S. Bhandare	
		3:00pm - 4:30 pm	MC-I	SYB Pharm	II	01	Mr. A.D. Gaware
			AVIABSA	BYB Pharm	II	02	Miss. A.S. Bhandare
47	Wednesday 26/02/2020	11:00am - 12:30pm	Biochemistry	AYB Pharm	II	01	Mr. S.G. Patel
					02	Mr. S.R. Thange	
		3:00pm - 4:30pm	PP-II	SYB Pharm	II	01	Mr. K.R. Thorat
			ARC/PSD	BYB Pharm	II	02	Mr. S.S. Kadam
47	Thursday 27/02/2020	11:00 am - 12:30 pm	Pathophysiology	AYB Pharm	II	01	Mr. S.R. Thange
					02	Mr. S.M. Dhobale	
					04	Mr. S.R. Thange	
		3:00pm - 4:30pm	Prol-I	SYB Pharm	II	01	Mr. M.B. Hole
			8MT/CC	BYB Pharm	II	02	Miss. R.S. Chaudharia
57	Friday 28/02/2020	11:00am - 12:30pm	CAP	AYB Pharm	II	01	Miss. P.B. Vadre
					02	Mr. D.R. Kumbhar	
				SYM Pharm	II	01	Mr. G.S. Dhobale
					02	Mr. S.G. Patel	

SEVA MANDAL'S EDUCATION AND RESEARCH REGISTER							
Main Answer Books			Supplements			Total Answer Books	Signature of Supervisor
Issued	Returned	Used	Issued	Returned	Used		
Even Sem 2019-20							
33	01	32	50	12	38	3 (65)	Wan
34	01	33	50	08	42	3 (65)	Wan
38	00	38	50	35	15	3 (66)	Wan
18	00	18	50	42	8	3 (66)	Wan
15	00	15	50	12	21+7	3 (63)	Wan
28	00	28	50	23	27	3 (66)	Wan
28	00	28	50	27	23	3 (66)	Wan
40	00	40	50	15	35	3 (66)	Wan
27+15	01	26+15	50+50	24+15	24+35	3 (66)	Wan
28	00	28	50	42	8	3 (66)	Wan
28	00	28	50	41	9	3 (66)	Wan
40	00	40	100	22	78	3 (66)	Wan
27+15	01	26+15	100	08	92	3 (66)	Wan
28	00	28	50	41	09	3 (66)	Wan
28	01	27	50	33	11	3 (66)	Wan
40	00	40	60	33	27	3 (66)	Wan
27+15	01	26+15	60	07	53	3 (66)	Wan
28	00	28	50	45	5	3 (66)	Wan
28	01	27	50	49	1	3 (66)	Wan
40	00	40	50	12	38	3 (66)	Wan
27	01	26	50	10	40	3 (66)	Wan





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14. TheorySessional Attendance Sheet



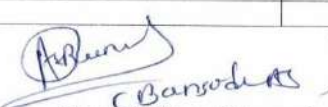
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EXAM/DI/46	Department: Examination	Academic Year: 2018-19
Rev : 00	Department	Class & Sem: Final yr. & VII
Date: 30/10/18	Theory Sessional Attendance Sheet (B.Pharm.)	Hall No. : 03

I / H-SESSIONAL EXAMINATION (2015 / 2018- PATTERN)

Subject: Biopharmaceutics & pharmacokinetics

Roll No.	Name of Student	Sign	Roll No.	Name of Student	Sign
01	Babar Rutuja Bharat	Babar	21	Gadekar Shital J.	Gadekar
02	Badhe Pooja Vikas	Badhe	22	Gadgil Mayur Vishal	Gadgil
03	Balgadkar Chetana Dilip	Balgadkar	23	Gadhave Nitya S.	Gadhave
04	Banger Mayuri Sharad	Banger	24	Harmane Leela M.	Harmane
05	BARVE UTKARSH GOPALA	Barve	25	Indore Pranay B.	Indore
06	Bhagwat Vaibhav B	Bhagwat	26	Jadhav Rutuja S.	Jadhav
07	Bhujbal Pooja Shataad	Bhujbal	27	Jon Rajan P.	Jon
08	Bhujbal Sanket S.	Bhujbal	28	Kadale Pratikshap.	Kadale
09	Bouke Nikita R	Bouke	29	Kale Rupali	Kale
10	Dangar Sonali D.	Dangar	30	Kale's Vikas B.	Kale
11	Dandekar Pratibha P.	Dandekar	31	Khalre Suyal P.	Khalre
12	Date Shubhangi H	Date	32	Khedkar Rohan A	Khedkar
13	Dere Tanhaji R.	Dere			
14	Deshmane Jyoti N.	Deshmane			
15	Dhandhere Sampada K.	Dhandhere			
16	Dharude Swapnali R.	Dharude			
17	Dhumane Saurabh A.	Dhumane			
18	Dumbre Bhagyashri Baban	Dumbre			
19	Eknayyan Radhika Arjun	Eknayyan			
20	Gadekar Madhuri R.	Gadekar			
No. of Students Present: 32			 Name & Sign of Supervisor		
No. of Students Absent: 00					
Total No. of Students: 32					





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EXAM/DI/46	Department: Examination	Academic Year: 2018-19
Rev : 00	Department	Class & Sem: <u>Final Yr. B.Pharm. VIII</u>
Date: <u>30/10/2018</u>	Theory Sessional Attendance Sheet (B.Pharm.)	Hall No. : <u>04</u>

I / II SESSIONAL EXAMINATION (2015 / 2018 PATTERN)

Subject: Biopharmaceutics & pharmacokinetics.

Roll No.	Name of Student	Sign	Roll No.	Name of Student	Sign
33	Knitani Akash V.	An	53	Shinde Vishakha V	Vishakha
34	Kote Priyanka Shivaji	Priyanka	54	Shinde Pratiksha B	Pratiksha
35	Kute Vaishnavi B.	Kute	55	Sondwane Pratiksha	Pratiksha
36	Lohakare Anita Baban	Lohakare	56	Taychne Ami J	Ami
37	Lohate Omkar C.	Omkar	57	Tengre Manita C.	Manita
38	Madole Balaji S	Balaji	58	Thorat Pratik B	Pratik
39	Mahale Amit Mahadeo	Mahale	59	Varhadi Monika K.	Monika
40	Mhaske Poonam Sanjay	Mhaske	60	Vethekar, Pooja S.	Pooja
41	Mhaske Rutuja Rajendra	Rutuja	61	Vishwakarma Neha A	Neha
42	Modhane Mayuri B.	Mayuri	62	Warkar Gayatri	Gayatri
43	Nipunte Arati G	Arati	63	Yewale madhuri	Madhuri
44	Padekar Sonali C	Sonali	64	Zaware proful H	Proful
45	Patel Yashraj	Yashraj			
46	Pawar Meha J.	Meha			
47	Phadke Pooja K.	Pooja			
48	Patil Akshata	Akshata			
49	Salunke Rahul H	Rahul			
50	Shewale Shweta S.	Shweta			
51	Shinde Komal R	Komal			
52	Shinde Priyanka B	Priyanka			
No. of Students Present: 32			Mendhetkar Sandhu 30/10/2018 Name & Sign of Supervisor		
No. of Students Absent: 00					
Total No. of Students: 32					





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15. Model Theory Sessional Answer Book



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Sessional Theory Examination 2018 - 2019
(2015 - Pattern)



III/III/IV Year Degree Course in B/M Pharmacy

Subject : Biopharmaceutics & Pharmacokinetics Class : Final yr. Roll No. : 33

Date : 30/10/2018

Sem. : VII

Hall No. : 04

Main Answer Book		No. of Supplements				Total			
1		00				01			
	a	b	c	d	e	f	g	h	
1	2	12	15						
2	27	12							
3	04	03							
4									
5									
Total									

Mendhekar y. Pradip
Name & Signature of Supervisor

12
Name & Signature of Examiner



Q.1 a) BBB — (Blood Brain Barrier)

Diagram -

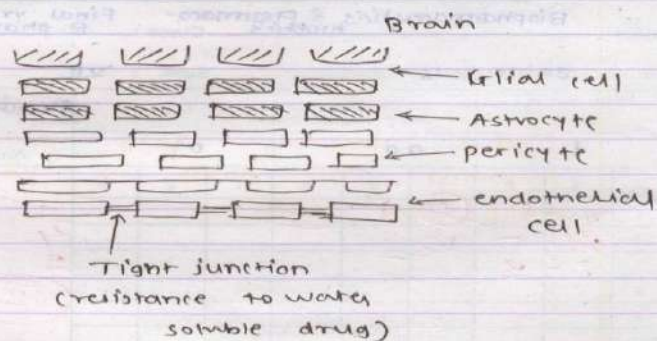


Fig. BBB.

- ① Blood brain barrier is composed of —
 - (a) astrocyte.
 - (b) pericyte.
 - (c) endothelial cell.
- (ii) water soluble drug generally cannot cross the BBB.
- (iii) In endothelial cell tight junction are present.
- (iv) Highly lipophilic drug molecule can cross the BBB.
- (v) mainly mol. wt. less than 500 dalton i.e. 400-500 can cross BBB.
- (vi) Astrocyte & pericyte essential component of BBB.
- (vii) BBB it is barrier to entrance the drug into it. These are most imp. factor which can affect the drug distribution.

b Volume of Distribution

It is not a real meaning but it is different cell or body cannot be equilibrated.

It is indicated as (V_d) It is direct relationship between Amount of drug in body to conc. of drug in plasma.

$$X = V_d C$$

V_d = proportionality constant.

It is apparent Volume of fluid to drug dissolved.

$$V_d = \frac{X}{C}$$

Volume of distribution It is ratio of amount drug in body to conc. of drug in plasma.



(a) pH-partition Hypothesis —→

In pH partition Hypothesis there are two essential factors are included i.e.,

- (a) lipophilicity of Drug.
- (b) pK_a of Drug.

In hypothesis several generalisation may occur,

(I) For acid -

- (i) Very weak $pK_a > 8$
- (ii) moderately $2.5 - 7.5$
- (iii) strong acid $pK_a < 2.5$

(II) For Bases

- (i) Very weak, $pK_a < 5$
- (ii) moderate, $pK_a = 5 - 11$
- (iii) strong base $pK_a > 11$

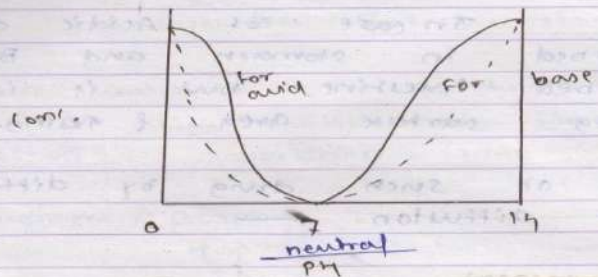
pK_a is generally depend upon pH.

There are following limitation arises at hypothesis —→

- (1) at virtual pH
- (2) dissolution of ionised Drug.

(1) Virtual pH — as the following graph is plotted drug conc. vs pH. In GIT mainly unionised drug can be absorbed.





Curve is obtained as S shaped curve indicates as it is for acidic component as pH 0-7. While right side S shaped curve shows for basic component, as pH > 7. pH 7 for neutral. As the pH is greater than pH_a then pH_a is reduced, while pH_a is greater than pH while pH reduced then an inverse relation as pH increases pH_a decreases. vice versa.

$$pH \uparrow \Rightarrow pH_a \downarrow$$

② Dissolution of Ionised Drug —

In GI only unionised drug can be absorbed, but in case of ionised drug is absorbed but slowly as compared to unionised drug. unionised drug, 3-4 time greater absorbed as compared to unionised drug



In case of Acidic drug ~~is~~ not absorbed in stomach and Basic drug not absorbed intestine, but it is absorbed by increasing surface area & resending time.

Absorption of such drug by different method of diffusion —

- (a) pore transport.
 - (b) Ion-pair transport.
 - (c) carrier mediated transport.
- } ionised drug.

while unionised drug can be absorbed by diffusion processes, but ionised drug can be absorbed by pore transport, Ion-pair transport and carrier-mediated transport.

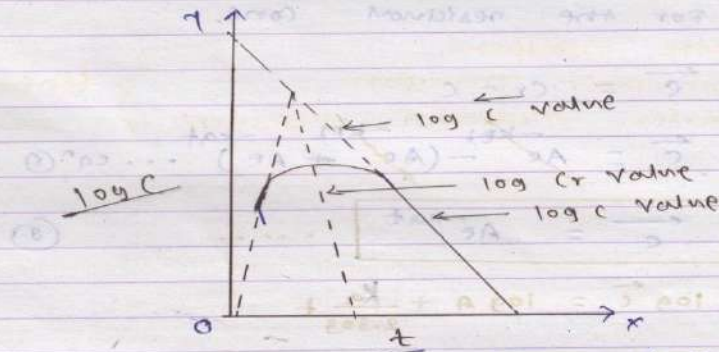


Ex. 3

(b) Absorption Rate constant :-

Absorption rate constant is residual method. It is also called as stripping or peeling method. Absorption rate can be determined

Diagram / Graph :-



when drug is absorbed to extravascular adminⁿ. In above graph is plotted $\log c$ against $\log c$ vs t

where, $\log c =$ Actual conc.
 $\log c_r =$ residual conc.
 $\frac{1}{c} =$ it backward / extrapolated conc.

$$C = \text{conc.}$$

$$A_0 = \frac{K_a F x_0}{V_d (K_a - k_e)} \cdot (e^{-k_e t} - e^{-K_a t})$$

where, $\frac{K_a F x_0}{V_d (K_a - k_e)} =$ hybrid constant, $= A$



$$\therefore C = \frac{A}{-k_{el} - k_{at}} (e^{-k_{el}t} - e^{-k_{at}t})$$

$$\therefore C = \frac{A}{-k_{el} - k_{at}} (e^{-k_{el}t} - e^{-k_{at}t}) \quad \text{--- eq. (1)}$$

For extravascular administration,

$$C_r = A e^{-k_{el}t} \quad \text{--- eq. (2)}$$

For the residual conc.

$$\therefore \bar{C} = C_r - C$$

$$\bar{C} = A e^{-k_{el}t} - \left(\frac{A}{-k_{el} - k_{at}} (e^{-k_{el}t} - e^{-k_{at}t}) \right) \quad \text{--- eq. (1) + eq. (2)}$$

$$\bar{C} = A e^{-k_{at}t} \quad \text{--- eq. (3)}$$

$$\therefore \log \bar{C} = \log A + \frac{k_a}{2.303} t$$

∴ taking log of both side
compare eqn with
 $y = mx + c$

$$\therefore C_r = A e^{-k_{el}t}$$

∴ log both sides,

$$\log C_r = \log A + \frac{k_{el}}{2.303} t$$

it is above eqn compare
with,

$$y = mx + c$$

Graph plotted
against $\log C$ vs t .





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Sessional Theory Examination 2018 - 2019
(2018 Pattern)

I/H/HH/IV-Year Degree Course in B/M Pharmacy

Subject : Pharmaceutical Manufacturing Technology Class : F.Y.M. Pharm (MCA) Roll No. : 14

Date : 04/09/2019

Sem. : II

Hall No. : 1

Main Answer Book			No. of Supplements			Total			Name & Signature of Supervisor
1			1			2			
	a	b	c	d	e	f	g	h	Name & Signature of Examiner
1	4							4	
2	2	2	2	2				8	
3									
4									
5									
Total								12	

Q. 2)

- (A) Fluidized bed coating Tech :-

construction :-

In the fluidized bed coating technology the FBC consist of the air inlet from bottle contain perforated pan.

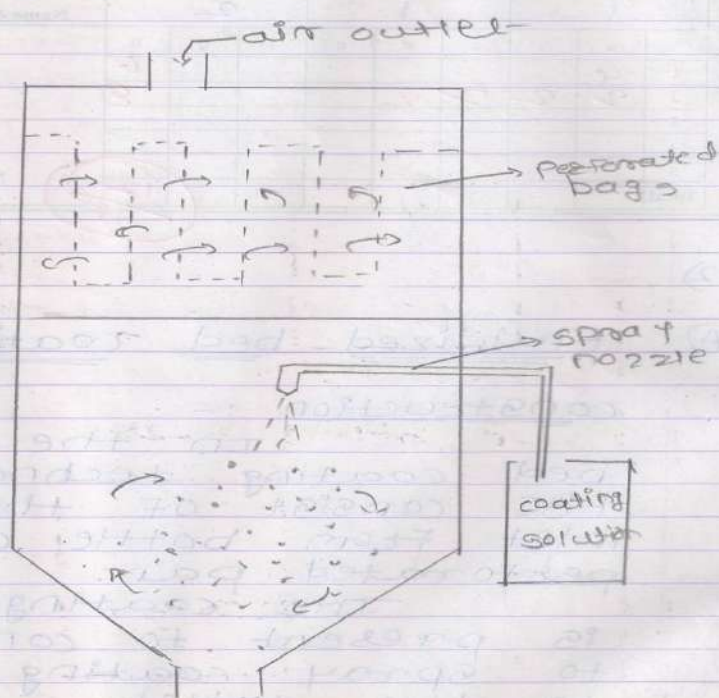
The coating solution is present to contain nozzle to spray coating solution to the tablet.

The perforated bags present to filter the air and the air outlet present on top of FBC.



They are divided into a three types —

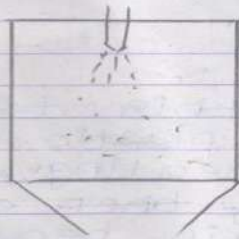
- 1) Top spray nozzle.
- 2) Bottom spray nozzle.
- 3) Tangential spray nozzle.



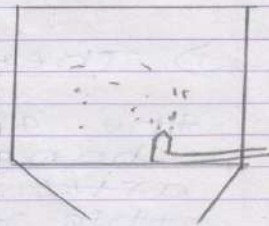
Working :-

The tablets are present in FBC, then by using coating solution through the nozzle of spray the tablet was coated and also dried within it.

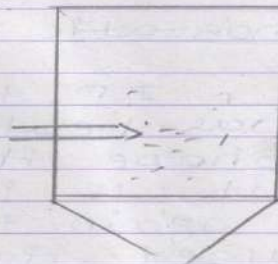
After that they are collected, the outlet air remove from top of FBC.



TOP SPRAY NOZZLE



BOTTOM SPRAY NOZZLE



TANGENTIAL SPRAY NOZZLE



- ⑧

Types of Plastic :-

- 1) Thermoplastic
- 2) Thermostatic.
- 3) Transparent and opaque.

This three types are of plastic.

1) Thermoplastic :-

In this type the shape of plastic was changed by heating, then after cooling & then after this and again heating it was change their shape.

2) Thermostatic :-

In that the plastic was heated to change their shape then it was cool but, if it was heated again then it was not changed their shape or remain constant to their size called thermostatic.



3) Transparent & Opaque :-

opaque :- In this type of plastic contain the high amount of crystalline property.

Transparent :- In this type of plastic contain low amount of crystallinity property.

It also classified as :-

EX

- | | |
|----------------|-------|
| 1. Random | AA BB |
| 2. Alternative | AB AB |
| 3. Block | AA AB |
| | BB AB |



- © The following quality control test for glass :-

1) Water Attack test.

2) Powder glass test

3) Arsenic test.

① Powder Glass Test :-

1. Take the 5-10 ampules.
2. Crush the ampules, in fine particles.
3. Sieve the powder of ampule through mesh 25-40 number.
4. Take 10 gm. of powder and dissolve in 100 ml of water.
5. Transfer it into the large volume potential.
6. Place it in autoclave for sterilization. upto 25-30 min.
7. After that remove the container and filter the solution.
8. From that take 10 ml solution and titrated against H_2SO_4 solution using methylene red as an indicator.
9. End point is colourless to reddish pink.
10. The amount from burette was removed is the measured & calculated.



② Water Attack Test :-

1. Take 100ml of water (distilled) in LVP.
2. Place it into autoclave for 25-30 min.
3. After that remove the container.
4. Cool it.
5. Filter it.
6. Take 25ml of sample in conical flask.
7. Add methylene red as an indicator.
8. And titrate it against to the H_2SO_4 .
9. Calculate the amount for the test.

③ Arsenic test :-

1. Wash the container from inner and outer side.
2. Then in that add 10ml of sample + 10ml H_2SO_4 + 10ml of Hydroide mebalin.
3. Take it in stand.
4. After 24 hour, it was check the amount of sample.



- ①

Capsule QC test :-

- 1) Bulk density.
- 2) Tapped density.
- 3) Particle compressibility.
- 4) Angle of repose.
- 5) Disintegration test.
- 6) Weight Variation test.
- 7) Content Uniformity test.
- 8) Dissolution test.

1) Bulk density :-

It is check for the flow property.

Bulk density :- $\frac{\text{Mass of sample}}{\text{Bulk volume.}}$

2) Tapped density :-

It is calculated by -

Tapped density = $\frac{\text{Mass of sample}}{\text{Tapped volume.}}$

3) Particle / Powder compressibility :-

In that involves the Hausner's ratio and compressibility index using formula.



compressibility index :-

$$\frac{\text{Tapped Density} - \text{Bulk density}}{\text{Tapped Density}} \times 100$$

Hausner's ratio :-

$$\frac{\text{Tapped density}}{\text{Bulk density}}$$

4) Weight variation test :-

1. Weight the each tablet separately. (upto 10 tablet).
2. Then take average of the 10 tablet.
3. And then match the average with weight of single tablet.

Sr. No.	% of average	% of availability of tablet.
1.	≤ 250	10%
2.	250 to less	7.5%
3.	250 to 1000	5%



5) Disintegration Test :-

	IP	BP	USP
1. Uncoated tablet	30 min.	30 min.	15 min.
2. coated tablet	60 min.	60 min.	80 min.
3. Enteric coated	120 min.	150 min.	2 + min. hour.
4. Sugar coated	120 min.	120 min.	—

The disintegration tablet test, in that the apparatus of disintegration contain basket & sieve.

Place the tablet on that using solution of the H₂SO₄ or if enteric then use intrinsic solution.

check time to disintegrate tab. acc^r to IP, BP, USP.



Q. 1)

Process atomization in manufacturing of tablet in pharmaceutical industry :-

1) Benefits :-

1. to improve handling of sample.
2. to improve unit operation.

2) Manufacturing Process :-

- 1) Particle size reduction.
- 2) Mixing.
3. Milling.
4. Screening.
5. Blending.
6. Drying.
7. Granulation.
8. Compression.
9. Particle size distribution.

3) Material Handling :-

• Risks :-

- 1) customer dissatisfaction.
- 2) Product cost increase.
- 3) Ungafety.



- 4) 1. Direct compression
2. Wet Granulation.

1. Direct compression:-

- Raw material.
- Weighing & measuring (by process automation).
- Gravity feed.
- compression (Acela cota coater).

2. Wet Granulation :-

- Raw material, measure, weight & mix.
- Granules
- Drying
- compression (Hi-cota coater).



PHARMACEUTICAL

Tablet :-

It is a solid dosage form containing the one or more medicament.

Advantages :-

1. light & cheapest.
2. less in cost.
3. easy to swallow.
4. easy to shifting.

Disadvantages -

1. difficult to swallow for children & unconscious patient.
2. colour, odour.
3. If is enteric coated, more time to disintegrate it.



Steps :-

- 1) Direct compression
- 2) Dry Granulation
- 3) Wet Granulation

1. Direct compression :-

- Raw material, ingredient, & API are mixed.
- & directly compressed.

2. Dry Granulation :-

- In that - Sluggation
- Roller compaction.

3. Wet granulation :-

- Shuttle mixer
- High speed mixer.
- Fluidized bed mixer.
- Spray dryer.





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Tutorial No. _____

Subject : PMT.

Roll No. : 14

Name : _____

Marks : _____

Class : F.T.M.A. Sem. : II

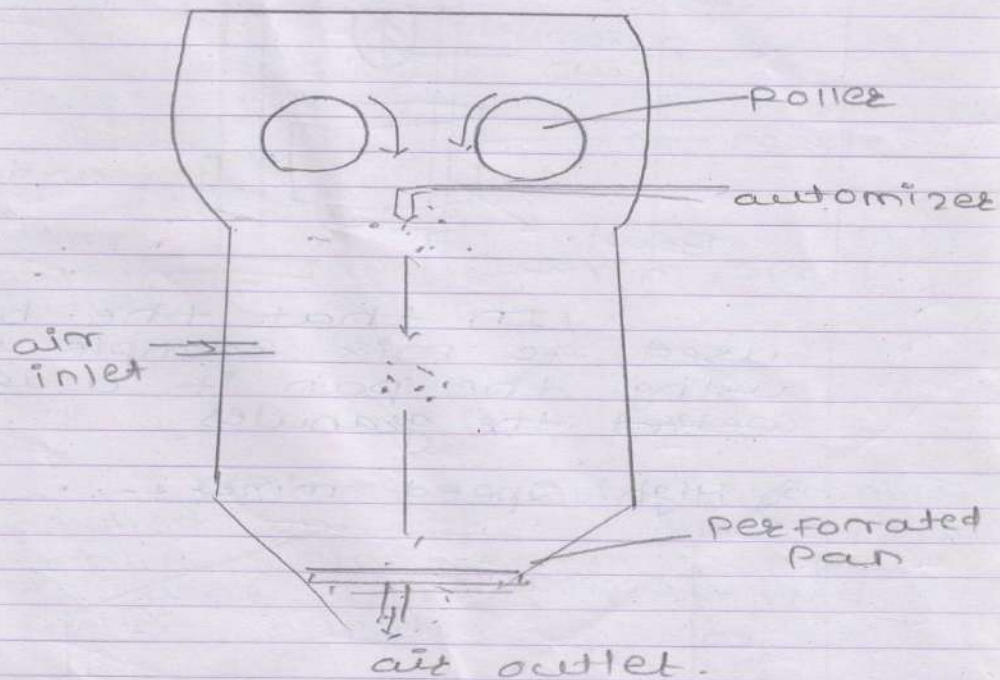
Date : 4/4/2019

Surekha
4/4/19

Name & Signature of Subject Incharge

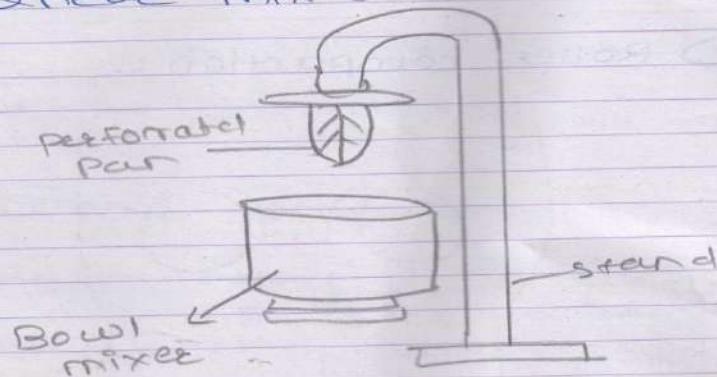
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D Roller compaction :-



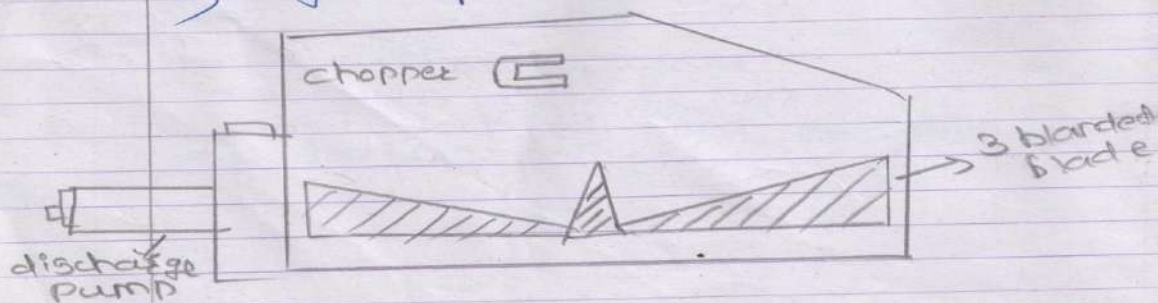
In that the roller compaction machine used for the dry granulation method.

2) Shear mixer :-

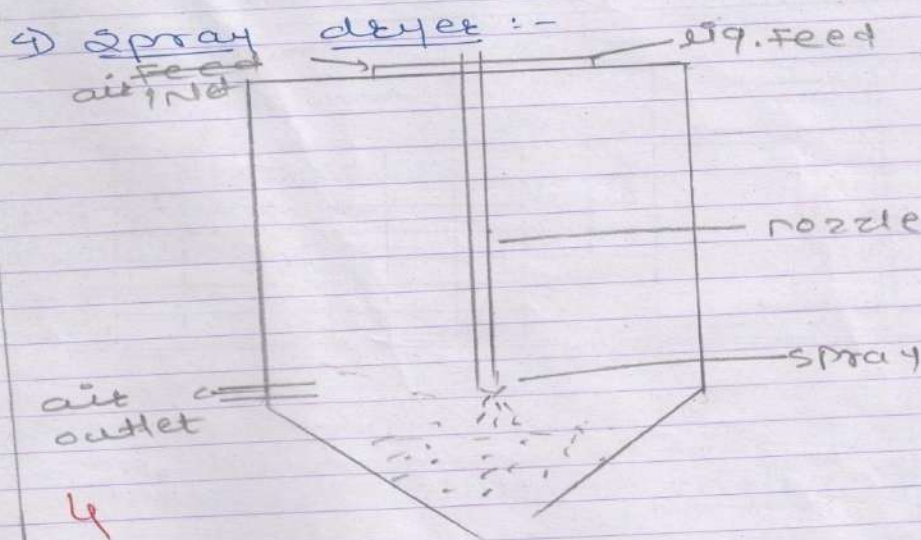


In that the bowl used to mix sample & using the pan it was dried & wetted the granules

3) High Speed mixer :-



In that three blade mixer present, the chopper is used to do small particle sizes, the discharge pump present for exhaust.



In that the sample applied on top of the system then using spray nozzle it was dried & collected into collector.

The air outlet present





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16. Model

Theory Sessional

Marksheet



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EXAM/DI/38	Department: Examination Department	Academic Year: 2018-19
Rev : 00		Class & Sem: Final Yr. B.Pharm.(VII)
Date: 20/12/20	Sessional Mark Sheet (B.Pharm.)	2015 Pattern

1st SESSIONAL EXAMINATION (THEORY)

Subject: Biopharmaceutics & Pharmacokinetics

Marks: 20

ROLL NO.	MARKS	ROLL NO.	MARKS	ROLL NO.	MARKS
1	09	26	12	51	11
2	10	27	04	52	08
3	08	28	15	53	08
4	13	29	10	54	11
5	10	30	10	55	13
6	06	31	08	56	11
7	10	32	06	57	08
8	04	33	12	58	11
9	11	34	12	59	12
10	09	35	11	60	11
11	14	36	09	61	07
12	09	37	08	62	13
13	06	38	09	63	09
14	08	39	10	64	10
15	12	40	06	65	-
16	08	41	03	66	-
17	09	42	05	67	-
18	08	43	08	68	-
19	05	44	08	69	-
20	08	45	11	70	-
21	08	46	13	71	-
22	09	47	08	72	-
23	08	48	11	73	-
24	11	49	03	74	-
25	11	50	12	75	-

No. of Students Present: 64

No. of Students Absent: 00

Total No. of Students: 64

Name & Sign of Examiner

[Signature] D.D. Gokul

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EXAM/DI/42	Department: Examination Department	Academic Year: 18-19
Rev : 00		Semester: II
Date: 31/5/19	Sessional Mark Sheet Pharma Quality Assurance / pharmaceutics (M.Pharm.)	Branch: QAT

~~XI~~ II SESSIONAL EXAMINATION (THEORY / PRACTICAL)

Subject: Pharm. manuf. Tech.

Roll No.	Marks	Roll No.	Marks
1	09	13	09
2	07	14	12
3	09	15	07
4	11	16	
5	12	17	
6	11	18	
7	08	19	
8	11	20	
9	08	21	
10	12	22	
11	10	23	
12	08	24	
No. of Students Present: 15			
No. of Students Absent: 00			
Total No. of Students: 15			

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17. Model

Sessional Practical

Question Paper



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EXAM/DI/35	Rev: 01 Dated 25.01.2019	Department: Examination Department	Date: 22/04/19	Batch: B
Academic Year: 2018-19	Practical Sessional Question Paper (B.Pharm. 2018 Pattern)		Class & Sem: F.Y. B.Pharm II	

Sub: Biochemistry

Marks: 40

Que. 1 Synopsis:

10

- 1) Draw structures for
a) Sucrose b) α -D fructofuranose c) β , D - galactopyranose (3)
- 2) Write principle involved in Molisch Test. (2)
- 3) Write about Benedict's test (3)
- 4) Name test given positive by all carbohydrates (1)
- 5) Name the test that distinguishes reducing sugar from non-reducing sugar (1)

Que. 2 Major Experiment:

15

AIM: To identify given sample of protein

Que. 3 Minor Experiment:

10

AIM: To study enzymatic hydrolysis of salivary amylase.

Que. 4 Viva

05


(Name & Sign of Examiner)





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EXAM/DI/40	Department: Examination Department	Academic Year: 2018-19.
Rev : 00		Semester: II
Date: 29/03/2019	Practical Sessional Question Paper (M.Pharm.)	Branch: Pharmaceutics - II

Subject: Pharmaceutics Practical - II

Marks:30

Que. 1. Synopsis

(05)

1. Explain formulation & evaluation of microsphere (3)
what are different approaches to enhance
2. dissolution characteristics? (2)

Que. 2. Major Experiment

QbD in pharmaceutical development (20)
Fast dissolving tablet.

Que. 3. Viva-Voce

(05)

ASSESSED

(Name & Sign of Examiner)





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18. Model Practical Sessional Attendance Sheet



Vishal Junnar Seva Mandal's
Vishal Institute Of Pharmaceutical Education And Research
A/P- Ale, Tal-Junnar, Dist-Pune, Maharashtra - 412411

EXAM/DI/37	Rev: 00	Department: Examination	2015 / 2018 Pattern
Academic Year: 2018-19	Date: 21/02/19	Practical Sessional Attendance Sheet (B.Pharm.)	Class & Sem : F.Y.B.Pharm (II)

Subject: Biochemistry

Batch: A

Roll No.	Name of Student	Sign	Roll No.	Name of Student	Sign
01	Aher Sanket	<u>Sanket</u>	13	Deshmukh Rajashree V.	<u>Rajashree</u>
02	Aher Suvarna	<u>Suvarna</u>	14	Dhobate S.S.	<u>Dhobate</u>
03	Aher Pranjal	<u>Pranjal</u>	15	Dokhe Jyoti B.	<u>Jyoti</u>
04	Anandrao Snehal	<u>Snehal</u>	16	Galande Swapnil R.	<u>Swalante</u>
05	Argade Divya	<u>Divya</u>	17	Gavit Sanika Y.	<u>Sanika</u>
06	Bhandari Shubham	<u>Shubham</u>		AB	
07	Bhoye Dimpal Laxman	<u>Dimpal</u>	19	Kakade Rushikesh B.	<u>R.B. Kakade</u>
08	Bornhe Mayuri Vilas	<u>Mayuri</u>	20	Kanawade Saurabh S	<u>Saurabh</u>
09	Chaudhari Sonal	<u>Sonal</u>			
10	Chavan Soham	<u>Soham</u>			
11	Chavan Rutika	<u>Rutika</u>			
12	Deshmukh Pratiksha	<u>Pratiksha</u>			
No. of Students Present: 19			 Name & Sign of Examiner		
No. of Students Absent: 01					
Total No. of Students: 20					





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EXAM/DI/41	Department: Examination	Academic Year: 2018-19.
Rev : 00	Department Practical	Semester: II
Date: 29/03/2019	Ind Theory Sessional Attendance Sheet (M.Pharm.)	Branch: Pharmaceuticals.

Subject: Pharmaceuticals - practical - II

Roll No.	Name of Student	Sign	Roll No.	Name of Student	Sign
1	Dangad Pranali B.	<u>Pdangad</u>	13		
2	Ghule Krishna B.	<u>Ghule</u>	14		
3	Kasbe Manisha K.	<u>Kasbe</u>	15		
4	Nilakh Sajali P.	<u>Nilakh</u>	16		
5	Podekar Harshad B.	<u>PB</u>	17		
6	Sable Elishvi B.	<u>Sable</u>	18		
7			19		
8			20		
9			21		
10			22		
11			23		
12			24		
No. of Students Present: 06			 Name & Sign of Supervisor		
No. of Students Absent: 00					
Total No. of Students: 06					





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19. Model Practical Sessional Answer Book



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I/H/HH-Sessional Theory/Practical Examination 20/8 -20/9

Suppliment No. _____

Subject : Biochemistry

Roll No. : 51

Class : F.Y.B. Pharm

Sem. : II

Date : 27/2/2019

Name & Signature of Supervisor

Start writing from this page

Que. No.	¹ synopsis	² Major. Expt.	³ Minor Expt.	⁴ Viva	Total
Marks					
Marks obtained	2½	8	6	1½	18
Marks out of	10	15	10	05	40

Q1) Synopsis :

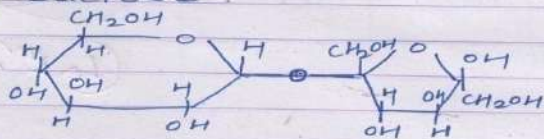
- 1) Write down the test to determine the reducing sugar. 5 marks.
- 2) Principle involve in Molish test. 2 marks.
- 3) Draw structure for
i) α -D-Galactopyranose
ii) β -D-Glucopyranose. & iii) Sucrose. 3 marks.
4) α -D-Maltose.
- 1) The test to determine the reducing sugar -
i) Fehling's test.
ii) Tommer's test.
iii) Benedict's test.
iv) Iodine test.



2) Molish test -
Principle:-

The alcoholic alpha naphthol forms a furfural & furfural derivatives. The sat conc. sulphuric acid are add the g sugar. Then reddish violet ring at the junction of two liquids formed. Hydroxymethyl furfural derivatives are in this test. Molish test are in the carbohydrates are present.

3) Sucrose

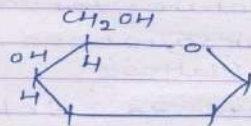
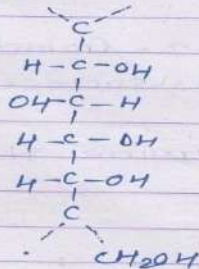
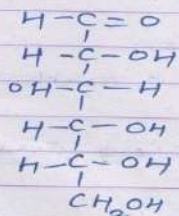


Glucose

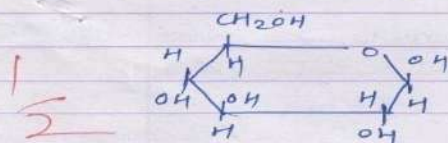
Fructose

Sucrose

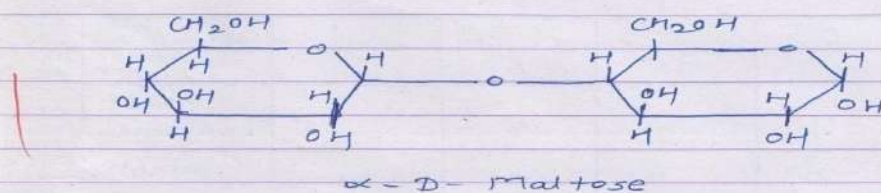
1) α - D - Galactopyranose



2) α - β - D - Glucopyranose.



4) α - D - Maltose.





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I/II/III Sessional Theory/Practical Examination 20 -20

Suppliment No. _____

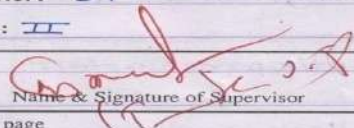
Subject : Biochemistry

Roll No. : 51

Class : E.Y.B. Pharm

Sem. : II

Date : 27/12/2019


Name & Signature of Supervisor

Start writing from this page

Major Expt.

Major Expt.-

Result:- The given unknown sample of protein
was found to be Albumin.

Minor Expt.-

Result:- The enzymatic action of salivary amylase
was verified.

Aim:- To identify the given sample of protein.

Observation table:-

Colour reactions of proteins

Test	observation	Inference
Physical properties		
1) Appearance of sol ⁿ	Turbid sol ⁿ	i) Albumin, globulin, casein.
2) Colour of a sol ⁿ	opalescent or milky.	i) Albumin, casein.
3) Smell.	i) Egg smell	Albumin.
4) Litmus test.	Neutral	Albumin, gelatin.



Test	Observation	Inference
1) Nitrohydri'n Test.	Blue colour	Proteins present.
2) Xanthoproteic test.	orange coloured sol ⁿ .	Proteins present.
3) Millon's test.	Result not obtained	Proteins absent.
4) Aldehyde test	Result not obtained	Proteins absent.
5) Arginine test	Result not obtained	Proteins absent.
6) Sulphur test	Black ppt.	ptoteins present.

Precipitation reactions of proteins.

Test	Observation	Inference
1) Precipit ⁿ of heavy metals.		
a) 2ml of alkaline o.s. + 5% CuSO_4 sol ⁿ .	White ppt.	proteins present.
b) 2ml of alkaline o.s. + 2 to 3 drops of 2% lead acetate test.	White ppt.	proteins present.
d) 2ml. of alkaline o.s. + 2 drops of 5% Ferric chloride sol ⁿ .	Whitish ppt dissolves on adding 3 to 4 drops but reappears on excess of FeCl_3 sol ⁿ .	proteins present



Other test of proteins.

Test	observation	Inference.
1) Heller's test	A white ring at the junction of two fluids.	Albumin present.
C.T.		
Test	observ ⁿ	Inference
1) Half saturation test.	violet colour.	<u>Albumin present.</u>
2) Full saturation test.	No violet, purple or rosy pink colour.	Albumin present.

Result:- The given unknown sample of protein was found to be Albumin.



Minor Exp.

Aim:- To determine action of salivary amylase enzyme

Blank sol ⁿ	Test sol ⁿ
1) Take 5 ml of starch.	1) Take 5 ml of starch.
2) Add 1 ml of phosphate	2) Add 1 ml of phosphate
3) Add water.	3) Add saliva.

Observation table:-

Test	Blank sol ⁿ	Test sol ⁿ
1) Iodine test.	+ve	-ve
2) Benedicts test.	-ve	+ve

Result:- The enzymatic action of salivary amylase was verified.





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20. Model

Practical Sessional

Mark Sheet



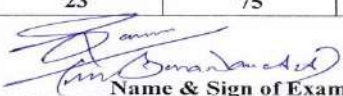
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At- Ale, Tal- Junnar, Dist - Pune Maharashtra - 412411

EXAM/DI/38	Department: Examination	Academic Year: 2017-18
Rev: 00	Department	Class & Sem: F.Y.B.Pharm. I Tr.
Date: 22/08/19	Sessional Mark sheet (B.Pharm.)	2015 / 2018 Pattern

I SESSIONAL EXAMINATION (PRACTICAL)

Subject: ~~Pharm.~~Inorganic Chemistry

Marks:40

ROLL NO.	MARKS	ROLL NO.	MARKS	ROLL NO.	MARKS
1	19	26	---AB---	51	18
2	22	27	17	52	19
3	25	28	34	53	23
4	19	29	---AB---	54	21
5	19	30	27	55	19
6	28	31	17	56	22
7	18	32	18	57	18
8	27	33	H ₂	58	26
9	20	34	17	59	29
10	23	35	---AB---	60	26
11	19	36	---AB---	61	---
12	24	37	30	62	---
13	15	38	23	63	---
14	17	39	32	64	---
15	16	40	25	65	---
16	19	41	30	66	---
17	20	42	21	67	---
18	---AB---	43	25	68	---
19	25	44	28	69	---
20	22	45	17	70	---
21	22	46	21	71	---
22	16	47	19	72	---
23	24	48	22	73	---
24	23	49	21	74	---
25	28	50	23	75	---
No. of Students Present:		55	 Name & Sign of Examiner		
No. of Students Absent:		05			
Total No. of Students:		60			

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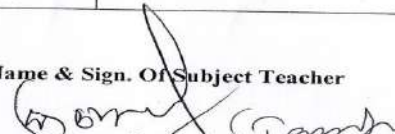


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EXAM/DI/42	Department: Examination	Academic Year: 2018-19
Rev : 00	Department	Semester: II
Date: 29/3/2019	Sessional Mark Sheet (M.Pharm.)	Branch: Pharmaceutics

I / II SESSIONAL EXAMINATION (THEORY / PRACTICAL)

Subject: pharmaceutics Practical -II

Roll No.	Marks	Roll No.	Marks
1	25	13	
2	23	14	
3	23	15	
4	25	16	
5	26	17	
6	24	18	
7		19	
8		20	
9		21	
10		22	
11		23	
12	24		
No. of Students Present: 06		Name & Sign. Of Subject Teacher 	
No. of Students Absent: 00			
Total No. of Students: 06			

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21. Model Sessional Register

Sem. IV		Subject: Analytical Pharmacology & Extractions Technology				Academic Year: 2017-18					
Roll No.	Name of Student	Exam Seat No.	IN-SEMESTER ASSESSMENT (THEORY)				IN-SEMESTER ASSESSMENT (PRACTICAL)				Sign of Student
			Continuous Assessment (20)	Sessional (10)	Improvement (If any)	Total (40)	Continuous Assessment (15)	Sessional (20)	Improvement (If any)	Total (40)	
1	Baker R.B	10190	13	13		26	17	17		34	Baker
2	Badhe P.V	10714	13	15		28	16	18		34	Badhe
3	Bakkaraj P.D	10815	12	13		25	17	18		35	Bakkaraj
4	Banger M.S	10810	16	13		29	17	18		35	Banger
5	Banerjee D.G	10982	11	16		27	16	14		30	Banerjee
6	Bhagwat V.B	11113	22	08		30	17	14		31	Bhagwat
7	Bhujbal P.S	11485	12	16		28	17	16		33	Bhujbal
8	Bhujbal S.S	11500	11	13		24	16	16		32	Bhujbal
9	Bodke H.N	11590	12	16		28	17	18		35	Bodke
10	Bangar S.D	12300	13	15		28	17	18		35	Bangar
11	Darekar P.P	12345	12	17		29	17	18		35	Darekar
12	Dare S.H	12380	14	13		27	17	18		35	Dare
13	Dave T.R	12483	13	11		24	17	18		35	Dave
14	Deshmure J.H	12502	12	17		29	17	18		35	Deshmure
15	Dharmade S.H	12503	15	15		30	17	16		33	Dharmade
16	Dharmade S.Y	12704	15	13		28	17	18		35	Dharmade
17	Dhumane S.A	12845	11	14		25	17	17		34	Dhumane
18	Dhumane S.D	13003	10	11		21	16	17		33	Dhumane
19	Flanarayan R.A	13027	13	14		27	17	16		33	Flanarayan
20	Gaddekar H.R	13154	11	14		25	17	16		33	Gaddekar
21	Gaddekar S.S	13163	13	17		30	17	17		34	Gaddekar
22	Gaddekar M.V	13174	11	16		27	17	16		33	Gaddekar
23	Ganmante L.M	14243	14	16		30	17	17		34	Ganmante
24	Jindori P.B	14431	13	15		28	17	18		35	Jindori
25	Jadhav R.S	14656	12	15		27	17	17		34	Jadhav
26	Joshi R.R	15053	13	17		30	17	17		34	Joshi
27	Kadale P.B	15120	13	18		31	17	17		34	Kadale
28	Kale R.D	15362	10	15		25	17	18		35	Kale
29	Kedar V.D	15777	11	14		25	18	18		36	Kedar
30	Kharve S.R	15844	13	15		28	17	18		35	Kharve
31	Khedkar R.A	16090	11	11		22	17	17		34	Khedkar
32	Khillan A.V	16115	11	09		20	17	16		33	Khillan
33	Kotli S.V	16320	11	12		23	17	17		34	Kotli
34	Kote V.B	16586	12	15		27	17	17		34	Kote
35	Lehonde A.B	16757	12	11		23	17	18		35	Lehonde
36	Lehote G.G	16768	16	12		28	17	17		34	Lehote
37	Maddole G.S	16860	11	14		25	17	16		33	Maddole
38	Makade A.M	16937	12	17		29	17	17		34	Makade
39	Mhaske P.S	17203	13	11		24	17	16		33	Mhaske
40	Mhaske P.D	17205	12	12		24	17	16		33	Mhaske
41	Modhure M.B	17375	13	17		30	17	17		34	Modhure
42	Milpate A.G	18176	13	15		28	17	18		35	Milpate
43	Padekar G.G	18266	14	11		25	17	18		35	Padekar
44	Patel Y.M	18602	11	13		24	17	14		31	Patel
45	Pawar N.J	19031	13	16		29	17	17		34	Pawar
46	Phalke P.R	19133	14	11		25	17	15		32	Phalke
47	Pol Akshada S	19396	12	14		26	17	17		34	Pol
48	Shewale S.S	20797	13	12		25	17	17		34	Shewale
49	Shinde K.A	20896	16	15		31	17	17		34	Shinde
50	Shinde P.B	20958	12	15		27	17	18		35	Shinde
51	Shinde V.V	21073	15	11		26	17	17		34	Shinde
52	Shitole P.B	21168	14	15		29	17	17		34	Shitole
53	Sengupta P.S	21445	12	18		30	17	17		34	Sengupta
54	Tajane P.S	21730	15	15		30	17	16		33	Tajane
55	Tamgire V.G	21941	16	13		29	17	15		32	Tamgire
56	Thorat P.D	22076	14	17		31	17	16		33	Thorat
57	Varhadkar M.K	22359	15	17		32	17	16		33	Varhadkar
58	Varhadkar K.S	22410	14	14		28	17	16		33	Varhadkar
59	Vichavakarn N.A	22465	12	13		25	17	18		35	Vichavakarn
60	Waghmare G.R	22779	13	15		28	17	17		34	Waghmare
61	Yewale M.K	22829	14	13		27	17	16		33	Yewale
62	Zawane P.H	22935	12	15		27	17	15		32	Zawane
63											
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NAME & SIGN. OF EXAMINER: (Kotli S.V)

(Kotli S.V)

(Modhure M.B)

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NAME & SIGN. OF EXAMINER: (Kotha S.S.)

(Mendhekar S.Y.)

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VISHAL JUNNAR SEVA MANDAL'S

VISHAL INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH

Dr. S. L. Jadhav
Principal

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P.C.I. Inst. Code : PCI-2620 | D.T.E. Inst. Code : 6361 | University I.D. No. : CPHP012670

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1 of 1

College Name	CPHP012670 - VISHAL INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH		
Pattern Name	11315 - B.Pharm(2015)	Batch No	201904123645
Subject Name	483P - Pharmaceutical Analysis-VI	Exam Type	INTERNAL OUT OF 40
Teacher Name	Hole Mangesh Balasaheb (Mob. No.: 9890837978) - Internal Examiner		

Total Students	Present Students	Absent Students	Not Applicable	Detained
64	64	0	0	0

Seat No	Marks/Grade	Seat No	Marks/Grade	Seat No	Marks/Grade
13993	30	8236	32	8318	32
8168	30	8243	32	8320	31
8169	32	8247	31	8322	28
8171	29	8249	35	8326	31
8172	33	8253	36	8331	34
8175	27	8260	26	8334	30
8177	25	8261	34	8335	29
8181	29	8264	29	8340	29
8182	27	8265	29	8344	29
8185	31	8269	27	8346	28
8193	32	8274	32	8347	30
8194	35	8277	28	8355	31
8196	29	8279	29	8359	30
8198	28	8281	30	8362	27
8199	31	8282	31		
8200	33	8285	29		
8201	32	8286	30		
8203	30	8287	32		
8205	30	8294	30		
8207	31	8295	29		
8210	33	8300	33		
8211	32	8302	29		
8213	30	8304	31		
8215	26	8312	27		
8230	28	8317	30		



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Savitribai Phule Pune University
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5/9/2019

1 of 1

College Name	CPHP012670 - VISHAL INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH		
Pattern Name	24118 - M.Pharm PHARMACEUTICS (Rev.2018)	Batch No	201904130487
Subject Name	MQA203T - AUDITS & REGULATORY COMPLIANCE	Exam Type	INTERNAL OUT OF 25
Teacher Name	Chordiya Bhakti Deepak (Mob. No.: 7709699761) - Internal Examiner		

Total Students	Present Students	Absent Students	Not Applicable	Detained
15	15	0	0	0

Seat No Marks/Grade

15313	15
15314	15
15315	18
15316	15
15321	17
15322	23
15323	16
15324	13
15325	17
15326	23
15327	18
15328	16
15329	18
15330	19
15331	20




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Dr. S. L. Jadhav
Principal

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Second Sessional Examination 2020-21	2021-01-01 05:00 PM	30	30	Open	Manage Exam		
Sessional Exam Sem-III 2020-21	2021-03-31 04:00 PM	30	30	Open	Manage Exam		
Open Book Test	2021-04-10 04:30 PM	10	10	Open	Manage Exam		

Biopharmaceutics and Pharmacokinetics Theory (Seventh Semester) SUJIT TUKARAM TAMBE [Create Exam](#)

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SET B [5 Questions] [5 Marks]

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2	Darshan Digambar	Adaki	A [30 question(s) for 30 mark(s)]	Completed	3rd Nov. 2020 @ 05:00 pm	10:55 PM	Submit	
3	Sanket Subhash	Aher	A [30 question(s) for 30 mark(s)]	Completed	3rd Nov. 2020 @ 05:07 pm	11:15 PM	Submit	
4	Vrushali Navnath	Aher	A [30 question(s) for 30 mark(s)]	Completed	3rd Nov. 2020 @ 05:00 pm	11:20 PM	Submit	

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