



1.2.1

Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. where the students of the institution have enrolled and successfully completed during the last five years.

Findings of DVV

Please provide information about each program, including its name, duration of the program, a list of students who have enrolled along with name and signature of students, curriculum of the program and assessment procedures year by year. In case if documents are in regional language, please provide translated copy in English. Google Drive links are not accepted.

Clarification on DVV

Provided information about each program, including its name, duration of the program, a list of students who have enrolled along with name and signature of students, curriculum of the program and assessment procedures year by year.



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Criterion 1: Curricular Aspects



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Add on courses/value added courses are courses, apart from regular curricular, implied for the improving skills and knowledge of the students which helps them in their career path and employability.

PES Modern College of Pharmacy (For Ladies), Moshi, Pune is also engaged in conduction of value-added/ certificate/ Diploma courses etc. The summary of 5 years journey in add-on courses is as follows:

Summary

Sr. No	Academic Year	Name of certificate/value added/online courses	Number of students enrolled in the year	Number of Students completing the course in the year
1	2022-23	17	467	467
2	2021-22	16	187	187
3	2020-21	3	138	138
4	2019-20	1	113	113
5	2018-19	2	134	134
Number of students enrolled in the last five years (without repetition)				1039
Total number of students during the last five years				2013
Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc.as against the total number of students during the last five years				51.61%
Total number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. during last five years ((Without repetition))				36

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1.2.1 Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. where the student: enrolled and successfully completed during the last five years)

1.2.2 Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

A.Y. 2022-23						
Name of Certificate/ Value added course offered and online courses of MOOCs, SWAYAM, NPTEL etc. where the students of the institution have enrolled and successfully completed	Course Code (if any)	Year of offering/ study	Period (from date - to date)	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
Medicinal chemistry		2022-23	Jan-Apr 2023	12 weeks	3	3
Health Research Fundamentals		2022-23	Jul-Sept 2023	8 weeks	2	2
Psychology of stress ,health and well being		2022-23	Jan-Apr 2023	12 weeks	1	1
Cell Biology: Cellular organisation, Division and Processes		2022-23	Jan-Mar 2023	8 weeks	1	1
Leadership and Team Effectiveness		2022-23	Jan-Apr 2023	12 weeks	1	1
Industrial Pharmacy-1		2022-23	Jun-Aug 2022	12 weeks	2	2
Developing Soft skills and personality		2022-23	Jul-Sept 2023	8 weeks	2	2
Current regulatory requirements for conducting clinical trials in India for investigations new drug (Version 3.0)		2022-23	Jul-Sept 2023	8 weeks	1	1
Total Quality Management - I		2022-23	Feb-Apr 2023	8 weeks	1	1
Standford introduction to food and health		2022-23	Nov 2022-Jan 2023	3 months	1	1
Drug Discovery		2022-23	Apr-Jun 2023	1-3 months	1	1



Criterion 1: Curricular Aspects



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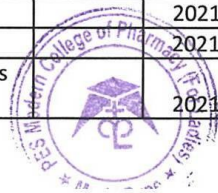
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Introduction to Molecular Spectroscopy		2022-23	Dec 2022-Jan 2023	1-4 weeks	4	4
Skill Development in clinical trial		2022-23	-07-2022 to 29-11-20	1 month	112	112
Laboratory Safety		2022-23	4-04-2023-01-05-202	7 days	105	105
Aseptic techniques		2022-23	July-Sept 2022	7 Days	105	105
Training on Calibration of Instruments		2022-23	Aug-Sept 2022	8 days	103	103
Lecture Series on Pharmaceutical Design of Experiments (DoE).		2022-23	-02-2023 to 08-04-20	10 Days	22	22
A.Y. 2021-22						
Name of Certificate/ Value added course offered and online courses of MOOCs, SWAYAM, NPTEL etc. where the students of the institution have enrolled and successfully completed	Course Code	Year of offerin	Period (from date - to date)	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
Mobile mentoring Programme on work readiness		2021-22	Sept 2021 to Feb 2022	6 month	1	1
Basics of Intellectual Property rights		2021-22	May 2021 to June 2022	2 Months	1	1
Computer aided Drug Design and discovery		2021-22	Nov 2021 to Dec 2021	3 weeks	1	1
Current regulatory requirements for conducting clinical trials in India for investigations new drug (Version 3.0)		2021-22	Aug 2021 to Oct 2021	8 weeks	1	1
Soft Skills		2021-22	July 2021 to Oct 2021	12 weeks	1	1
Quality by Design		2021-22	-08-2021 to 25-09-20	2 months	1	1
Standford introduction to food and health		2021-22	Nov 2021 to Jan 2022	1-3 months	3	3
Design and interpretation of clinical trials		2021-22	Nov 2021 to Jan 2022	1-3months	1	1
Drug Commercialization		2021-22	Jan-22	1month	1	1
Covid 19 conatct tracing		2021-22	Nov 2021 to Jan 2022	1-3 months	6	6
Introduction to chemistry :reactions and ratios		2021-22	Aug 2021 to Oct 2021	1-3 months	2	2



Criterion 1: Curricular Aspects



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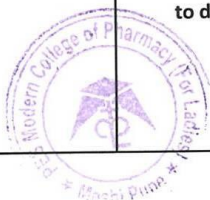
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Epidemics, pandemics and outbreaks		2021-22	Oct 2021 to Dec 2021	1-3 months	1	1
Executive Diploma in PV and Clinical Research		2021-22	May 2021 to Aug 2021	3 month	8	8
Interview Skills Development and career orientation programme in Pharmacovigilance , Medical coding and clinical reaserch		2021-22	June 2021 to sept 2022 and Sept 2021 to Dec 2021	3 month	12	12
Computer aided Drug Design: Free software installation and molecular docking study		2021-22	-08-2021 to 30-10-20	10 days	57	57
Aseptic techniques		2021-22	-08-2021 to 16-10-20	1 month	90	90
A.Y. 2020-21						
Name of Certificate/ Value added course offered and online courses of MOOCs, SWAYAM, NPTEL etc. where the students of the institution have enrolled and successfully completed	Course Code	Year of offerin	Period (from date - to date)	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
Advance Certificate Course in clinical research and medical technology		2020-21	-08-2020 to 06-12-20	3 month	17	17
Workshop on Graph pad prism software installation and training		2020-21	-06-2020 to 30-06-20	15 days	58	58
Hands on training on autodock software installation and demonstration		2020-21	-07-2020 to 29-07-20	15 days	63	63
A.Y. 2019-20						
Name of Certificate/ Value added course offered and online courses of MOOCs, SWAYAM, NPTEL etc. where the students of the institution have enrolled and successfully completed	Course Code	Year of offerin	Period (from date - to date)	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year



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Workshop on :Demonstration, software installation and hands on training on DOE software		2019-20	-01-2020 to 08-02-20	6 days	113	113
A.Y. 2018-19						
Name of Certificate/ Value added course offered and online courses of MOOCs, SWAYAM, NPTEL etc. where the students of the institution have enrolled and successfully completed	Course Code	Year of offering	Period (from date - to date)	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
Executive Diploma in Clinical Trial and Phamcovigilence		2018-19	Sept 2018 to Feb 2019	3 months	22	22
Research orientation programme		2018-19	-09-2018 to 12-09-20	6 Days	112	112



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Academic Year 2022-23 (Subindex 1)

MOOCS/SWAYAM/NPTEL/ONLINE courses

Sr. No.	Name of certificate/value added/online courses	Duration of course	Number of students enrolled in the year
1.	Medicinal chemistry	12 weeks	3
2.	Health Research Fundamentals	8 weeks	2
3.	Psychology of stress, health and well being	12 weeks	1
4.	Cell Biology: Cellular organization, Division and Processes	8 weeks	1
5.	Leadership and Team Effectiveness	12 weeks	1
6.	Industrial Pharmacy-1	12 weeks	2
7.	Developing Soft skills and personality	8 weeks	2
8.	Current regulatory requirements for conducting clinical trials in India for investigations new drug (Version 3.0)	8 weeks	1
9.	Total Quality Management - I	8 weeks	1
10.	Stanford introduction to food and health	3 months	1
11.	Drug Discovery	1-3 months	1
12.	Introduction to Molecular Spectroscopy	1-4 weeks	4

Certificate/Value added courses offered by college (Syllabus, List of enrolled students with signature and assessment)

13.	Skill Development in clinical trial	1 month	112
14.	Laboratory Safety	7 days	105
15.	Aseptic techniques	7 Days	105
16.	Training on Calibration of Instruments	8 days	103
17.	Lecture Series on Pharmaceutical Design of Experiments (DoE).	10 Days	22
Total number of students			467

Criterion 1: Curricular Aspects



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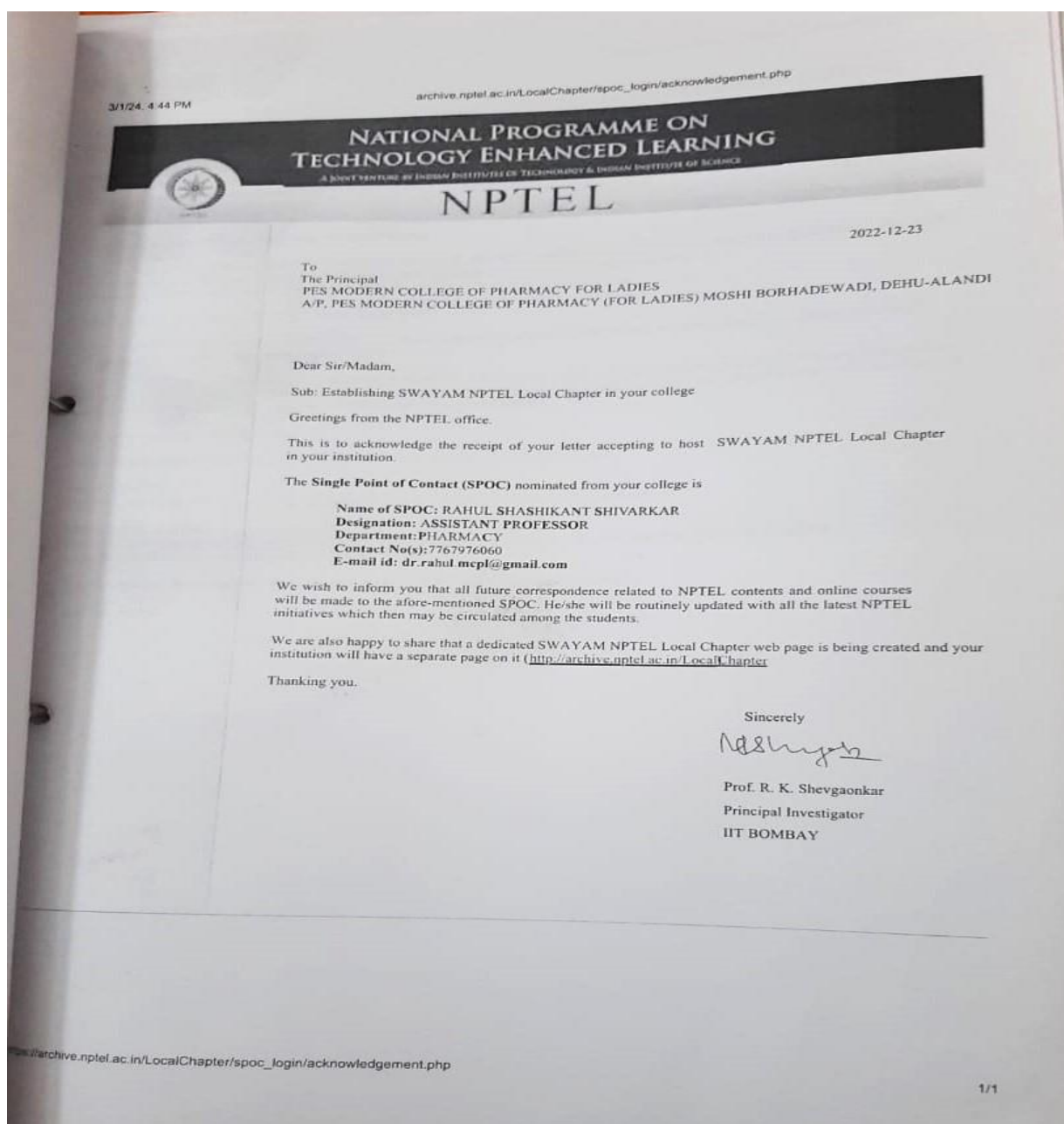
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PES Modern College of Pharmacy (For Ladies), Moshi, Pune established SWAYAM, NPTEL Local Chapter which helps students and faculty to guide regard NPTEL/SWAYAM courses , registration process and examination etc.





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Assessment Procedure

Academic Year 2022-23		
Sr.No	Name of Add on /Certificate programs offered	Assessment procedure
1.	Medicinal chemistry	Examination (conducted by NPTEL/SWAYAM/MOOC/other online organizations)
2.	Health Research Fundamentals	
3.	Psychology of stress ,health and well being	
4.	Cell Biology: Cellular organisation, Division and Processes	
5.	Leadership and Team Effectiveness	
6.	Industrial Pharmacy-1	
7.	Developing Soft skills and personality	
8.	Current regulatory requirements for conducting clinical trials in India for investigations new drug (Version 3.0)	
9.	Total Quality Management - I	
10.	Standford introduction to food and health	
11.	Drug Discovery	
12.	Introduction to Molecular Spectroscopy	
13.	Skill Development in clinical trial	MCQ based examination
14.	Laboratory Safety	MCQ based examination
15.	Aseptic techniques	MCQ based examination
16.	Training on Calibration of Instruments	MCQ based examination
17.	Lecture Series on Pharmaceutical Design of Experiments (DoE).	MCQ and descriptive based examination




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List of students completed MOOCS/SWAYAM/NPTEL/ONLINE COURSES

PES MODERN COLLEGE OF PHARMACY (for ladies) Moshi Pune

**List of students completed MOOCS/SWAYAM/NPTEL /ONLINE courses
Academic year 2022-23**

Sr. No	Name of Add on /Certificate programs offered	Duration of course	Name of the students	Sign of students
1.	Medicinal chemistry	12 weeks	Madhavi Shirang Tirkhunde	<u>Madhavi</u>
			Shradha Satish Thorbole	<u>Thorbole</u>
			Samidha H Tikudwe	<u>Tikudwe</u>
2.	Health Research Fundamentals	8 weeks	Pooja Ankush Jadhav	<u>Pooja</u>
			Sakshi Sunil Gade	<u>Sakshi</u>
3.	Psychology of stress, health and well being	12 weeks	Misba Tanvir Attar	<u>Attar</u>
4.	Cell Biology: Cellular organisation, Division and Processes	8 weeks	Dodamanishaikh Muskan Fakuruddin	<u>Muskan</u>
5.	Leadership and Team Effectiveness	12 weeks	Dhanshri Ganesh Dhawale	<u>Dhawale</u>
6.	Industrial Pharmacy-1	12 weeks	Samruddhi Dahiwal	<u>Samruddhi</u>
			Priti Bhimaji Ghenand	<u>P. B. Ghenad</u>
7.	Developing Soft skills and personality	8 weeks	Pratiksha Madhav Kimbahune	<u>Pratiksha</u>
			Sneha santosh More	<u>Sneha</u>
8.	Current regulatory requirements for conducting clinical trials in India for investigations new drug (Version 3.0)	8 weeks	Temkar Maya Uttam	<u>Maya</u>
9.	Total Quality Management - I	8 weeks	Mankari Vaishnavi Hanmantrao	<u>Vaishnavi</u>



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10.	Standford introduction to food and health	3 months	Ambika Khalure	
11.	Drug Discovery	1-3 months	Punam Dhumase	
12.	Introduction to Molecular Spectroscopy	1-4 weeks	Ashwini Nagare	
			Vaishnavi Shinde	
			Namrata Chavan	
			Nikita Sarode	



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Sr. No.	Name of MOOCS/SWAYAM/NPTEL/ONLINE courses	Link to Syllabus
1	Medicinal chemistry	https://onlinecourses.nptel.ac.in/noc20_cy16/preview
2	Health Research Fundamentals	https://onlinecourses.nptel.ac.in/noc19_ge24/preview
3	Psychology of stress, health and well being	https://onlinecourses.nptel.ac.in/noc24_hs65/preview
4	Cell Biology: Cellular organization, Division and Processes	https://onlinecourses.nptel.ac.in/noc21_cy15/preview
5	Leadership and Team Effectiveness	https://onlinecourses.nptel.ac.in/noc22_mg39/preview
6	Industrial Pharmacy-1	https://noteswallah.in/industrial-pharmacy-i-notes/
7	Developing Soft skills and personality	https://onlinecourses.nptel.ac.in/noc21_hs57/preview
8	Current regulatory requirements for conducting clinical trials in India for investigations new drug (Version 3.0)	https://onlinecourses.nptel.ac.in/noc20_ge13/preview
9	Total Quality Management - I	https://onlinecourses.nptel.ac.in/noc21_mg03/preview
10	Stanford introduction to food and health	https://www.mooc-list.com/course/stanford-introduction-food-and-health-coursera
11	Drug Discovery	https://www.mooc-list.com/course/drug-discovery-coursera
12	Introduction to Molecular Spectroscopy	https://www.mooc-list.com/course/introduction-molecular-spectroscopy-coursera

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13. Skill Development in Clinical Trial

Syllabus

PES MODERN COLLEGE OF PHARMACY (FOR LADIES), MOSHI

Academic planning (2022-23)

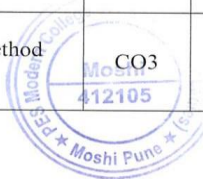
Class: Final year B. Pharm (Sem – VII) Subject: Skill Development in clinical trial

Sr. No.	Topic	Subtopic	CO	POs Mapped	Pedagogy
1	Unit 1	Introduction to clinical trials	CO1	PO1, PO3, PO4, PO5, PO6	Q & A, Chalk Piece, Powerpoint presentation, video clip
2		Clinical trial design and outcome, Types of clinical trial	CO1	PO1, PO3, PO4, PO5, PO6	Q & A, Chalk Piece, Powerpoint presentation
3		Phases of clinical trial	CO1	PO1, PO3, PO4, PO5, PO7	Q & A, Chalk Piece, Powerpoint presentation, video clip
4		Drug development process	CO1	PO1, PO3, PO4, PO5, PO7	Q & A, Chalk Piece, Powerpoint presentation, video clip
5		key players in clinical research	CO1	PO1, PO3, PO4, PO5, PO7	Q & A, Chalk Piece, Powerpoint presentation
6		key players in clinical research	CO1	PO1, PO3, PO4, PO5, PO7	Q & A, Chalk Piece, Powerpoint presentation
7		Terminology in clinical trial	CO1	PO1, PO3, PO4, PO5, PO7	Q & A, Chalk Piece, Powerpoint presentation
8		Regulatory authorities in clinical trial	CO1	PO1, PO3, PO3, PO5, PO7	Q & A, Chalk Piece, Powerpoint presentation
9		Regulatory authorities in clinical trial	CO1	PO1, PO3, PO4, PO5, PO7	Q & A, Chalk Piece, Powerpoint presentation
10		End point of clinical trial	CO1	PO1, PO3, PO4, PO7, PO5	Q & A, Chalk Piece, Powerpoint

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					presentation
11	Unit 2	Documents, objective, purpose, list of documents required before starting trial, during trial, completion of trial	CO2	PO1, PO3, PO5, PO7, PO6	Q & A, Chalk Piece, Powerpoint presentation, video clip
12		Inform consent form	CO2	PO1, PO2, PO3, PO4, PO5, PO7	Q & A, Chalk Piece, Powerpoint presentation
13		Investigators brochure	CO2	PO1, PO2, PO3, PO4, PO10, PO11	Q & A, Chalk Piece, Powerpoint presentation
14		Protocol	CO2	PO1, PO2, PO3, PO4, PO5, PO7	Q & A, Chalk Piece, Powerpoint presentation, video clip
15		Case report form	CO2	PO1, PO2, PO3, PO4, PO5, PO7	Q & A, Chalk Piece, Powerpoint presentation
16	Unit 3	Pharmacovigilance	CO3	PO1, PO2, PO3, PO4, PO6, PO8	Q & A, Chalk Piece, Powerpoint presentation, video clip
17		Introduction basic terminology, need, aims	CO3	PO1, PO2, PO3, PO4, PO6, PO8, PO9	Q & A, Chalk Piece, Powerpoint presentation
18		Safety specification	CO3	PO1, PO2, PO3, PO4, PO6, PO8, PO10	Q & A, Chalk Piece, Powerpoint presentation
19		Pharmacovigilance plan	CO3	PO1, PO2, PO3, PO5, PO6, PO8, PO7	Q & A, Chalk Piece, Powerpoint presentation, video clip
20		Pharmacovigilance method	CO3	PO1, PO2, PO3, PO4, PO6, PO8, PO9	Q & A, Chalk Piece, Powerpoint presentation
21		Pharmacovigilance method	CO3	PO1, PO2, PO3, PO5, PO6, PO8, PO9	Q & A, Chalk Piece, Powerpoint presentation



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22		Adverse drug reaction monitoring in india	CO3	PO1, PO2, PO3, PO4, PO5, PO8, PO9	Q & A, Chalk Piece, Powerpoint presentation
23		Adverse drug reaction monitoring in india	CO3	PO1, PO2, PO3, PO4, PO6, PO8, PO10	Q & A, Chalk Piece, Powerpoint presentation
24		Schedule -Y	CO3	PO1, PO2, PO3, PO4, PO6, PO8, PO10,	Q & A, Chalk Piece, Powerpoint presentation
25		Appendix of schedule Y	CO3	PO1, PO2, PO3, PO4, PO6, PO8, PO10,	Q & A, Chalk Piece, Powerpoint presentation
26	Unit 4	Data management	CO4	PO1, PO2, PO3, PO4, PO10, PO11	Q & A, Chalk Piece, Powerpoint presentation
27		Electrical data capture principles	CO4	PO1, PO2, PO3, PO4, PO10, PO11	Q & A, Chalk Piece, Powerpoint presentation
28		Database validation programming and standard	CO4	PO1, PO2, PO3, PO4, PO10, PO11	Q & A, Chalk Piece, Powerpoint presentation
29		Assuring data quality	CO4	PO1, PO2, PO3, PO4, PO10, PO11	Q & A, Chalk Piece, Powerpoint presentation
30		Data entry and data processing	CO4	PO1, PO2, PO3, PO4, PO10, PO11	Q & A, Chalk Piece, Powerpoint presentation


 Subject I/C
 Pallavi Wakade



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List of Students Enrolled with Signature

S's, Modern college of Pharmacy For Ladies, Moshi Pune								
Final Year B. Pharm Roll Call List 2022-2023 (wef sem VII)								
Class: Final Year B. Pharm			Subject: SKD seminar			Total No. of Students Present:		
Semester : 7 th (SKD in clinical trial)			Total No. of Students Absent:			Roll number of Absent Student:		
Batch A			Batch B			Batch C		
Roll No	Name	Sign	Roll No	Name	Sign	Roll No	Name	Sign
1.	Abhang Rutuja	<i>Abhang</i>	24	Gaikwad Tejaswini	<i>Tejaswini</i>	47	Kumbhar Siddhi	<i>Siddhi</i>
2.	Alhat Vaishnavi	<i>Vaishnavi</i>	25	Game Rohini Sunil	<i>Rohini</i>	48	Kumbhare Shivani	<i>Shivani</i>
3.	Bachhav Shubhangi	<i>Shubhangi</i>	26	Gawade Susmita	<i>Susmita</i>	49	Lokhande Sayali	<i>Sayali</i>
4.	Bagade Shruti Sharad	<i>Shruti</i>	27	Gaware Akshada	<i>Akshada</i>	50	Mahanavar Pratiksha	<i>Pratiksha</i>
5.	Bagul Ruchita Sahebrao	<i>Ruchita</i>	28	Gengaje Tejal S.	<i>Tejal</i>	51	Mankari Vaishnavi	<i>Vaishnavi</i>
6.	Bhakre Shubhada	<i>Shubhada</i>	29	Girase Hiral B.	<i>Hiral</i>	52	Mhetre Ankita	<i>Ankita</i>
7.	Borade Smita Yuvraj	<i>Smita</i>	30	Goswami Priyanka	<i>Priyanka</i>	53	More Janhavi Vivek	<i>Janhavi</i>
8.	Borhade Deepali Sudam	<i>Deepali</i>	31	Gowda Aishwarya	<i>Aishwarya</i>	54	Musale Shravani	<i>Shravani</i>
9.	Bute Bhavana	<i>Bhavana</i>	32	Gurav Bhakti Santosh	<i>Bhakti</i>	55	Nagare Ashvini Dinkar	<i>Ashvini</i>
10.	Chavan Namrata	<i>Namrata</i>	33	Jadhav Sakshi	<i>Sakshi</i>	56	Narkhede Shruti Vijay	<i>Shruti</i>
11.	Chavan Prerna Vijay	<i>Prerna</i>	34	Jagtap Shraddha	<i>Shraddha</i>	57	Narwade Komal	<i>Komal</i>
12.	Chikhale Neha	<i>Neha</i>	35	Jagtap Samruddhi	<i>Samruddhi</i>	58	Nimbargi Virakshi	<i>Virakshi</i>
13.	Chinchansure Vaishnavi	<i>Vaishnavi</i>	36	Jalsakare Nikita	<i>Nikita</i>	59	Pandit Anisha Gulabrao	<i>Anisha</i>
14.	Choudhari Aishwarya	<i>Aishwarya</i>	37	Joshi Ketki Kedar	<i>Ketki</i>	60	Pansare Snehal	<i>Snehal</i>
15.	Dahiwal Samruddhi	<i>Samruddhi</i>	38	Kad Neha Ulhas	<i>Neha</i>	61	Patil Harshada Maruti	<i>Harshada</i>
16.	Dawn Suchismita Amit	<i>Suchismita</i>	39	Kamble Pooja Bapu	<i>Pooja</i>	62	Pawar Rutuja Santosh	<i>Rutuja</i>
17.	Devadkar Snehal	<i>Snehal</i>	40	Kamble Shashvati	<i>Shashvati</i>	63	Phartale Anisha Rajendra	<i>Anisha</i>
18.	Dhadge Aaditi Jalindar	<i>Aaditi</i>	41	Karpe Vaishnavi	<i>Vaishnavi</i>	64	Phatangare Akanksha	<i>Akanksha</i>
19.	Dhokare Priya	<i>Priya</i>	42	Khalure Ambika Sanjay	<i>Ambika</i>	65	Pikle Prajakta Kashinath	<i>Prajakta</i>
20.	Dhumase Punam	<i>Punam</i>	43	Khedkar Shivani	<i>Shivani</i>	66	Pole Ahilya Jaywant	<i>Ahilya</i>
21.	Dongarkar Sanskruti	<i>Sanskruti</i>	44	Kokane Varsha Shivaji	<i>Varsha</i>	67	Rahane Achal Kailas	<i>Achal</i>
22.	Gadhawe Mayuri	<i>Mayuri</i>	45	Kolhe Vaishnavi Vijay	<i>Vaishnavi</i>	68	Rakshe Sakshi Hanumant	<i>Sakshi</i>
23.	Gadilkar Mrunmayee	<i>Mrunmayee</i>	46	Kumavat Aditi	<i>Aditi</i>	69	Raut Pratiksha Nilkhant	<i>Pratiksha</i>



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Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCI).
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

PES Modern college of Pharmacy For Ladies, Moshi Pune					
Final Year B. Pharm Roll Call List 2022-2023 (wef sem VII)					
Class: Final Year B. Pharm		Subject: Skd (Seminar)		Total No. of Students Present:	
Semester : Skd in clinical field		Total No. of Students Absent:		Roll number of Absent Student:	
Batch D Date		Batch E		Date	
Roll No	Name	Sign	Roll No	Name	Sign
70.	Raut Prerana Prakash	<i>Prerana</i>	94.	Dalvi Sandhya Gangaram	<i>Sandhya</i>
71.	Sarode Nikita Ananta	<i>Nikita</i>	95.	Devane Vaishnavi Nandkumar	<i>Ab</i>
72.	Sathe Rohini Sunil	<i>Rohini</i>	96.	Dhaigude Vaishnavi Ashok	<i>Vaishnavi</i>
73.	Sayali Gajabhau Bangar	<i>Sayali</i>	97.	Ekal Pratiksha Subhash	<i>Pratiksha</i>
74.	Shaikh Nazal	<i>Nazal</i>	98.	Ghadge Sandhya Prakash	<i>Sandhya</i>
75.	Shinde Komal Sanjay	<i>Komal</i>	99.	Ghodake Utkarsha Prakash	<i>Utkarsha</i>
76.	Shinde Shubhangi	<i>Shubhangi</i>	100.	Hinge Pranjal Prabhakar	<i>Pranjal</i>
77.	Shinde Vaishnvi	<i>Vaishnvi</i>	101.	Jadhav Rajshri Dattatray	<i>Rajshri</i>
78.	Shreya Nandu	<i>Shreya</i>	102.	Jadhav Sneha Sukhdeo	<i>Sneha</i>
79.	Sonawane Akanksha	<i>Akanksha</i>	103.	Kondhawale Shraddha Kisan	<i>Shraddha</i>
80.	Suryawanshi Sonal	<i>Sonal</i>	104.	Lokhande Vrunda Sanjay	<i>Vrunda</i>
81.	Taware Rutuja Rahul	<i>Rutuja</i>	105.	Mahankar Poonam Pramod	<i>Poonam</i>
82.	Thorat Samiksha	<i>Samiksha</i>	106.	Mandlekar Damini Shriram	<i>Damini</i>
83.	Vajale Sneha	<i>Sneha</i>	107.	Shaikh Praveen Mehmud	<i>Praveen</i>
84.	Wagh Pallavi Santosh	<i>Pallavi</i>	108.	Shelar Monali Amber	<i>Monali</i>
85.	Wagh Sakshi Kisan	<i>Sakshi</i>	109.	Shitole Megha Vijay	<i>Megha</i>
86.	Waghmare Ashwini	<i>Ashwini</i>	110.	Sodak Bhagyashri Bharat	<i>Bhagyashri</i>
87.	Walunj Rutuja Gulab	<i>Rutuja</i>	111.	Somvanshi Neha Vilas	<i>Neha</i>
88.	Wangwad Shweta	<i>Shweta</i>	112.	Thakare Pratiksha Parshuram	<i>Pratiksha</i>
89.	Aher Neha Hanumant	<i>Neha</i>	113.	Varal Rutuja Pandurang	<i>Rutuja</i>
90.	Akanksha Sanjay Mane	<i>Akanksha</i>	114.	Wagh Switi Subhash	<i>Switi</i>
91.	Bangar Akshata Sopan	<i>Akshata</i>	115.	Wale Mayuri Shivaji	<i>Mayuri</i>
92.	Chaskar Janhavi Kiran	<i>Janhavi</i>	116.	Zade Preeti Kanifnath	<i>Preeti</i>
93.	Chormale Gitanjali Anil	<i>Gitanjali</i>			



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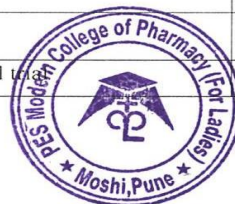
Assessment and Marksheet

P. E. SOCIETY
MODERN COLLEGE OF PHARMACY (FOR LADIES)
First Sessional Examination 2022-2023
Skill Development in clinical trial

CLASS: FINAL YEAR B.PHARM (SEM-VI)
MARKS: 30

TIME: 1.30 Hr.
DATE: 16-09-2022

Q. No.	Sub question	Question	Marks	CO NO	BT Level
1 A		Answer the following. (any Three)	6 M		
	1.	What is meant by "randomization"? (Select the one best answer.) A. Selection of subjects at random. B. Randomization is a method of allocating treatment such that each subject has an equal chance of receiving any of the possible treatments. C. Regression to the mean is a common phenomenon in clinical trials. D. Biases introduce random outcomes.	1	CO1,CO2	2
	2.	To begin with a clinical research study, it is mandatory to get approval from? A. Sponsor B. Regulator C. Regulators and ethics committees D. principal investigators	1	CO1,CO2	1
	3.	Who is responsible for preparing essential documents like protocol/ investigators brochure/ informed consent form/ case report form during clinical trials? A. Investigator B. Ethics committee C. Scientist D. Sponsor	2	CO1,CO2	1
	4.	What is informed consent in a clinical trial? B. The subjects do not know which study treatment they receive C. Patients injected with placebo and active doses D. Fake treatment Signed document of the recruited patient for the clinical trial procedures	1	CO1,CO2	1
	5.	What is population size for phase I trial? A. The whole market will be under surveillance B. 300-3000 people C. 20-300 people D. 20-50 people	1	CO1,CO2	2
1 B		Answer the following.	10 M		
	1.	Elaborate the key holders in clinical trial	5	CO1,CO2	5
	2.	Explain in detail case report form	5	CO1,CO2	2
		OR			
1 B		Attempt any one	10		
	1.	Define essential documents. Enlist the essential documents required in clinical trial? Elaborate note on informed consent form		CO1,CO2	1
2A		Answer the following. (any two)	4 M		
	1.	Organize phases of clinical trial	2	CO1,CO2	4
	2.	sketch, the drug development process	2	CO1,CO2	3
	3.	Define clinical trial? describe in detail types of clinical trial	2	CO1,CO2	1



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M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

2B	Practical	10 M		
1.	Communication skill	5	CO1,CO2	5
2.	Group discussion	5	CO1,CO2	6



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PES Modern College of Pharmacy (for Ladies), Moshi

Marks Sheet [Theory]

First sessional examination 2022-2022 (Seventh Semester)

Date: 29/09/22 Subject: Skill Development in Clinical Trial

S.No.	Student Name	Roll No.	Marks Obtained	S.No.	Student Name	Roll No.	Marks Obtained	S.No.	Student Name	Roll No.	Marks Obtained
1	Rutuja Abhang	1	22	26	Susmita Gawade	26	20	51	Vaishnavi Mankari	51	18
2	Vaishnavi Alhat	2	19	27	Akshada Gaware	27	18	52	Ankita Mhetre	52	17
3	Shubhangi Bachhav	3	24	28	Tejal Gengaje	28	19	53	Janhavi More	53	15
4	Shruti Bagade	4	19	29	Hiral Girase	29	21	54	Shravani Musale	54	24
5	Ruchita Bagul	5	11	30	Priyanka Goswami	30	20	55	Ashvini Nagare	55	19
6	Shubhada Bhakre	6	16	31	Aishwarya Gowda	31	18	56	Shruti Narkhede	56	25
7	Smita Borade	7	21	32	Bhakti Gurav	32	20	57	Komal Narwade	57	22
8	Deepali Borhade	8	10	33	Sakshi Jadhav	33	15	58	Virakshi Nimbargi	58	18
9	Bhavana Bute	9	16	34	Shraddha Jagatap	34	20	59	Anisha Pandit	59	13
10	Namrata Chavan	10	20	35	Samruddhi Jagtap	35	13	60	Snehal Pansare	60	20
11	Perna Chavan	11	22	36	Nikita Jalsakare	36	22	61	Harshada Patil	61	16
12	Neha Chikhale	12	18	37	Ketki Joshi	37	19	62	Rutuja Pawar	62	15
13	Vaishnavi Chinchansure	13	21	38	Neha Kad	38	11	63	Anisha Phartale	63	18
14	Aishwarya Choudhari	14	24	39	Pooja Kamble	39	14	64	Akanksha Phatangare	64	20
15	Samruddhi Dahiwal	15	21	40	Shashvati Kamble	40	16	65	Prajakta Pikle	65	5
16	Suchismita Dawn	16	21	41	Vaishnavi Karpe	41	12	66	Ahilya Pole	66	15
17	Snehal Devadkar	17	13	42	Ambika Khalure	42	21	67	Achal Rahane	67	18
18	Aaditi Dhadge	18	11	43	Shivani Khedkar	43	20	68	Sakshi Rakshhe	68	18
19	Priya Dhokare	19	25	44	Varsha Kokane	44	14	69	Pratiksha Raut	69	13
20	Punam Dhumase	20	17	45	Vaishnavi Kolhe	45	22	70	Prerana Raut	70	16
21	Sanskriti Dongarkar	21	24	46	Aditi Kumavat	46	20	71	Nikita Sarode	71	19
22	Mayuri Gadhave	22	24	47	Siddhi Kumbhar	47	19	72	Rohini Sathe	72	15
23	Mrunmayee Gadilkar	23	16	48	Shivani Kumbhare	48	18	73	Sayali Bangar	73	14
24	Tejaswini Gaikwad	24	12	49	Sayali Lokhande	49	11	74	Nazal Shaikh	74	AB
25	Rohini Game	25	21	50	Pratiksha Mahanavar	50	13	75	Komal Shinde	75	19



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Business Council P.E. Society, Pune

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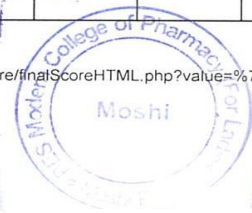
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S.No.	Student Name	Roll No.	Marks Obtained	S.No.	Student Name	Roll No.	Marks Obtained
76	Shubhangi Shinde	76	19	101	Rajashri Jadhav	101	12
77	Vaishnvi Shinde	77	13	102	Sneha Jadhao	102	15
78	Shreya Londhe	78	16	103	Shraddha Kondhawale	103	9
79	Akanksha Sonawane	79	AB	104	Vrunda Lokhande	104	9
80	Sonal Suryawanshi	80	18	105	Poonam Mahankar	105	12
81	Rutuja Taware	81	12	106	Damini Mandlekar	106	20
82	Samiksha Thorat	82	18	107	Parveen Shaikh	107	23
83	Sneha Vajale	83	AB	108	Monali Shelar	108	15
84	Pallavi Wagh	84	20	109	Megha Shitole	109	18
85	Sakshi Wagh	85	19	110	Bhagyashri Sodak	110	13
86	Ashwini Waghmare	86	14	111	Neha Somvanshi	111	16
87	Rutuja Walunj	87	15	112	Pratiksha Thakare	112	15
88	Shweta Wangwad	88	12	113	Rutuja Varal	113	21
89	Neha Aher	89	13	114	Switi Wagh	114	10
90	Akanksha Mane	90	20	115	Mayuri Wale	115	19
91	Akshata Bangar	91	16	116	Preeti Zade	116	24
92	Janhavi Chaskar	92	17				
93	Gitanjali Chormale	93	22				
94	Sandhya Dalvi	94	9				
95	Vaishnavi Devane	95	8				
96	Vaishnavi Dhaigude	96	16				
97	Pratiksha Ekal	97	18				
98	Sandhya Ghadge	98	6				
99	Utkarsha Ghodake	99	21				
100	Pranjal Hinge	100	20				

Analysis of First sessional examination 2022-2022 (2022-23) [Theory]

Sr. No.	Subject Code	Name of Subject	Theory / Practical	Marks Obtained Lowest	Marks Obtained Highest	No. of Student appeared	No. of Student pass	% Pass (Out of Total Students)	% Pass (Out of Present Students)	% of Student Above 60%
1		Skill Development in Clinical Trial	Theory	5	25	113	101	87.07	89.38	52.59

https://portal.vmedulife.com/faculty/Outcome/finalScore/finalScoreHTML.php?value=%7B"ins":4,"acayr":8,"sy":11616"examid":93845,"exa... 2/3



Ms. P.G. Karde

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Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

P. E. SOCIETY
MODERN COLLEGE OF PHARMACY (FOR LADIES)
Second Sessional Examination 2022-2023
Skill Development

CLASS: FINAL YEAR B.PHARM (SEM-VI)
MARKS: 30

TIME: 1. Hr.
DATE: 21-11-2022

Q. No.	Sub question	Question	Marks	CO NO	BT Level
1 A		Answer the following.	10 M		
	1.	Who is responsible for WHO international drug monitoring Programme A) Uppsala monitoring centre B) WHO drug dictionary C) PVPI D) Contract research Organization	2	CO3,CO4	2
	2.	Following is the method of Pharmacovigilance A) Induced reporting B) Active surveillance C) Online reporting D) Sentinel site	2	CO3,CO4	1
	3.	Type of comparative observational studies is A) Randomized controlled trials B) Qualitative studies C) Cohort studies D) Test controlled studies	2	CO3,CO4	1
	4.	The regulatory authority formulate schedule Y A) IAC and IEAC B) CDSCO and DTAB C) IEC and IRB D) IRB and CDSCO	2	CO3,CO4	2
	5.	Indian Pharmacovigilance system is regulated by A) USFDA B) CDSCO. C) IPC D) DRDO	2	CO3,CO4	1
1 B		Answer the following	10 M		
	1.	Elaborate the needs of pharmacovigilance	5	CO3,CO4	5
	2.	Organize appendix I of schedule Y	5	CO3,CO4	4
		OR			
1 B		Attempt any one	10		
	1.	Execute methods of pharmacovigilance		CO3,CO4	3
2A		Answer the following. (any two)	10 M		
	1.	Organize regulatory strategy for reporting of adverse reaction	5	CO3,CO4	4
	2.	sketch, the application of schedule Y	5	CO3,CO4	3
	3.	Define passive surveillance? describe the main types of passive surveillance	5	CO3,CO4	1
		OR			
2B		Answer the following (any one)	10 M		
	1.	Design different appendix of schedule Y		CO3,CO4	6
	2.	Assemble comparative observational method of studies		CO3,CO4	6



PES Modern College of Pharmacy (for Ladies), Moshi
Marks Sheet [Theory]

Second sessional examination (Seventh Semester)

Date: 21/11/22 Subject: Skill Development in clinical trial

S.No.	Roll No.	Marks Obtained
1	1	24
2	2	17
3	3	23
4	4	21
5	5	15
6	6	11
7	7	15
8	8	11
9	9	17
10	10	14
11	11	14
12	12	16
13	13	13
14	14	16
15	15	20
16	16	17
17	17	AB
18	18	7
19	19	26
20	20	16
21	21	21
22	22	20
23	23	8
24	24	14
25	25	24

S.No.	Roll No.	Marks Obtained
26	26	12
27	27	15
28	28	21
29	29	19
30	30	20
31	31	12
32	32	20
33	33	10
34	34	14
35	35	13
36	36	AB
37	37	AB
38	38	5
39	39	11
40	40	12
41	41	11
42	42	15
43	43	17
44	44	22
45	45	23
46	46	15
47	47	19
48	48	23
49	49	14
50	50	9

S.No.	Roll No.	Marks Obtained
51	51	20
52	52	16
53	53	19
54	54	24
55	55	17
56	56	20
57	57	18
58	58	17
59	59	13
60	60	16
61	61	20
62	62	15
63	63	21
64	64	21
65	65	16
66	66	14
67	67	18
68	68	15
69	69	17
70	70	18
71	71	20
72	72	23
73	73	16
74	74	16
75	75	21

S.No.	Roll No.	Marks Obtained
76	76	16
77	77	11
78	78	19
79	79	20
80	80	20
81	81	16
82	82	20
83	83	20
84	84	21
85	85	19
86	86	20

S.No.	Roll No.	Marks Obtained
101	101	11
102	102	13
103	103	9
104	104	10
105	105	17
106	106	10
107	107	24
108	108	11
109	109	20
110	110	19
111	111	12





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Principal

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(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

S.No.	Roll No.	Marks Obtained
87	87	22
88	88	14
89	89	20
90	90	20
91	91	13
92	92	17
93	93	21
94	94	19
95	95	12
96	96	16
97	97	14
98	98	8
99	99	17
100	100	11

S.No.	Roll No.	Marks Obtained
112	112	8
113	113	17
114	114	18
115	115	14
116	116	23

Analysis of Second sessional examination (2022-23) [Theory]

Sr. No.	Subject Code	Name of Subject	Theory / Practical	Marks Obtained Lowest	Marks Obtained Highest	No. of Student appeared	No. of Student pass	% Pass (Out of Total Students)	% Pass (Out of Present Students)	% of Student Above 60%
1		Skill Development	Theory	5	26	113	95	81.90	84.07	40.52

Pk
Signature of subject teacher (Pallavi Kakade)





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14. Laboratory Safety

Syllabus



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Business Council P.E. Society, Pune

LABORATORY SAFETY SYLLABUS

Sr. no	Course Content	Duration (Hrs)
1.	Module 1: - Laboratory Instructions	4
2.	Module 2: - Laboratory Safety	4
3.	Module 3: - Fire Safety and Prevention	4
4.	Module 3: - Fire Safety and Prevention	4
5.	Module 4:- Chemical Safety and Prevention	4
6.	Module 5:- Bio Safety and Prevention	4
7.	Module 6:- Waste Management	4
8.	Revision and Test	2
Total Hrs		30

Dr.V.S.Tambe

Programme coordinator

IQAC Co-ordinator



Dr.S.N.Dhole

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LABORATORY SAFETY SYLLABUS

Module 1:- Laboratory Instructions in different areas

- 1.1. General instructions
- 1.2. Handling of all equipment, chemicals & glassware properly.
- 1.3. Electrical safety rules
- 1.4. Laser Safety rules
- 1.5. Dispose of lab waste properly.
- 1.6. Record system/Protocol to be followed in lab during handling of equipment's and chemicals.
- 1.7. Meaning of SOP, its preparation and authentication
- 1.8. Introduction to GLP

Module 2:- Laboratory Safety

- 2.1. Introduction to hazardous and carcinogenic substances
- 2.2 Safety during handling of hazardous and carcinogenic substances
- 2.3. Fire safety protocol and emergency exit during any unavoidable circumstances.
- 2.4. Use of self-protection kits
- 2.5. General rules for pipetting and transferring acidic substances
- 2.6. General remedies during exposure of hazardous substances with skin
- 2.7 Determination of the potential hazards and appropriate safety precautions before beginning of any work.
- 2.8.. GLP to be followed for safety





Module 3:- Fire Safety and Prevention

- 3.1. Introduction to causes of fire accidents in lab.
- 3.2 Explanation of different methods of fire control.
- 3.3. Introduction and demonstration of:
 - (1) Fire extinguishers.
 - (2) Sand Bucket.
 - (3) Other different methods.
- 3.4 Emergency contact number during fire related disaster
- 3.5 First Aid treatment for first degree level burn
- 3.6. Explanation of First aid kit contents and its uses

Module 4:- Chemical Safety and Prevention

- 4.1. Mixing order of chemicals specially related with acids and hazardous fumigating chemicals
- 4.2 Understanding labelling instructions/precautions given on bottle before its use.
- 4.3. Study of chemical list and segregation of list into hazardous and safe criterias before going to perform practical.
- 4.4. Chemical burns and its types
- 4.5 Introduction about chemical lesions, chemical products causing lesions, secondary treatment and care to be taken in lesions.
- 4.6. When and how to use water as remedies for lesions.
- 4.7. Introduction to substances used in various types of chemical hazard.



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Module 5:- Bio Safety and Prevention

- 5.1 Introduction to biosafety
- 5.2 Biosafety Issues
- 5.3 Biological Safety Cabinet
- 5.4 Biosafety Levels
- 5.5. Biosafety Guidelines
- 5.6 Bioethics

Module 6:- Waste Management

- 6.1 Introduction to waste and its Management,
- 6.2 Types,
- 6.3 Process,
- 6.4 Different Methods of waste management as per types


Dr. V. S. Tambe



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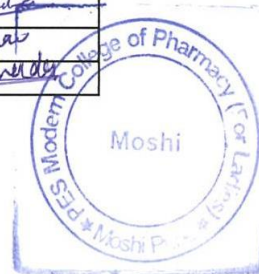


List of students enrolled with Signature

Laboratory Safety (7 Days)

Roll. No	Name of students	Sign
1	Abhang Sanika Sunil	
2	Agravat Khushbu	
3	Alat Snehal Navnath	
4	Aradkar Supriya Dattatray	
5	Asole Sanika Munjaji	
6	Bangar Mrunalini Bapu	
7	Bhandakkar Rasika Sunil	
8	Bhandare Manaswi Laxman	
9	Bhanushali Zeel Haresh	
10	Bhoskar Rutuja	
11	Bhusale Rachana Shivji	
12	Biradar Aarathi	
13	Butte Siddhi Somnath	
14	Chaudhary Shafaq	
15	Chavan Tulsi Surykant	
16	Chavhan Chanda Ram	
17	Chavhan Laxmi Anil	
18	Damse Snehal Vilas	
19	Dathe Samiksha	
20	Deokar Jyoti Navnath	
21	Deshmukh Vasihnavi Vilas	
22	Despande Vasudha Ram	
23	Dhawade Sakshi Nitin	
24	Dodamanishaikh Muskan	
25	Gadekar Snehal Pundlik	
26	Gharge Divya Rajkumar	
27	Ghonge Akshada Hiranman	
28	Gopak Vaibhavi Bandu	
29	Govardhan Sayali Rajesh	
30	Gurav Prachi Mahadev	
31	Hande Jayshri Prashant	
32	Hargude Vaibhavi	
33	Hole Nikita Nitin	
34	Jadhav Saeed Sudhir	
35	Jadhav Harshada Anil	

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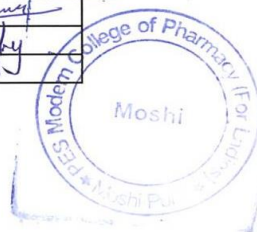
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(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

36	Jadhav Ishwari Amol	<i>Ishwari</i>
37	Jadhav Madhura	<i>Madhura</i>
38	Jadhav Sonali Sanjay	<i>Sonali</i>
39	Jagatap Shruti	<i>Shruti</i>
40	Jichkar Kalyani Vijay	<i>Kalyani</i>
41	Kadam Nishigandha Nishant	<i>Nishigandha</i>
42	Kalbor Vinaya Ganesh	<i>Vinaya</i>
43	Kale Rutuja Prashant	<i>Rutuja</i>
44	Kamble Sanika Siddharth	<i>Sanika</i>
45	Kashid Amruta Sadguru	<i>Amruta</i>
46	Kendale Shamal Santosh	<i>Shamal</i>
47	Khairnar Janhavi Prashant	<i>Janhavi</i>
48	Khamkar Pallavi Shivaji	<i>Pallavi</i>
49	Khan Heena Abdulkaliq	<i>Heena</i>
50	Kharde Gauri Lalsing	<i>Gauri</i>
51	Landge Kiran Ramakant	<i>Kiran</i>
52	Langhi Swapnali Dattu	<i>Swapnali</i>
53	Laware Pornima Suresh	<i>Pornima</i>
54	Mahajan Disha Kiran	<i>Disha</i>
55	Mhaske Vaishnavi Anil	<i>Vaishnavi</i>
56	Mhetre Shivani Bhagwan	<i>Shivani</i>
57	Mundfane Rutuja	<i>Rutuja</i>
58	Murkute Vaishnavi Gajanan	<i>Vaishnavi</i>
59	Nanekar Kshitija Baburao	<i>Kshitija</i>
60	Nangare Shrdha Rajesh	<i>Shrdha</i>
61	Netke Sakshi Anil	<i>Sakshi</i>
62	Nile Vaishnavi Ramakant	<i>Vaishnavi</i>
63	Parmar Riddhi Bharat	<i>Riddhi</i>
64	Patil Aakanksha Rajendra	<i>Aakanksha</i>
65	Patil Anish Vijay	<i>Anish</i>
66	Patil Nikita Suraj	<i>Nikita</i>
67	Patil Priyanka Tanaji	<i>Priyanka</i>
68	Patil Sayali Santosh	<i>Sayali</i>
69	Pawar Janhvi Nitin	<i>Janhvi</i>
70	Phakatkar Sanskruti Sandip	<i>Sanskruti</i>
71	Phatangare Anjali Anil	<i>Anjali</i>
72	Phuge Tanvi Pravin	<i>Tanvi</i>
73	Potghan Samruddhi	<i>Samruddhi</i>
74	Rathod Shreya Krishna	<i>Shreya</i>
75	Salve Pooja Vijay	<i>Pooja</i>
76	Sankpal Rutuja Chandrkant	<i>Rutuja</i>
77	Sarode Trupti Santosh	<i>Trupti</i>
78	Sarwadnya Jyoti Dipak	<i>Jyoti</i>
79	Saste Dhanashree Rajendra	<i>Dhanashree</i>
80	Sayyad Asiya Faruk	<i>Asiya</i>
81	Shaikh Alphiya Ibrahim	<i>Alphiya</i>
82	Shaikh Muskan Ajij	<i>Muskan</i>

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83	Shigade Mukta Madhukar	Mukta
84	Shinde Anjali Sanjay	Anjali
85	Shinde Pradipti Prashant	Pradipti
86	Shinde Saniya Mahendra	Saniya
87	Shingade Shruti Vilas	Shruti
88	Sing Priya Vinod	Priya
89	Sonawale Mrunal Suraj	Mrunal
90	Sontakke Shreya Madhav	Shreya
91	Suryawanshi Asavari	Asavari
92	Suryawanshi Rahel Laxman	Rahel
93	Talele Pranali Manojkumar	Pranali
94	Wagh Akanksha Dattatry	Akanksha
95	Wagh Namrata Gajanan	Namrata
96	Wagh Vaishnavi Balasaheb	Vaishnavi
97	Waghule Shruti Milind	Shruti
98	Walli Dharna Dhananjay	Dharna
99	Wawge Yukta Vishnu	Yukta
100	Yadav Sanika Pramod	Sanika
101	Yadav Shraddha Somnath	Shraddha
102	Yadav Vaishnavi Vitthal	Vaishnavi
103	Yelave Aarti Jotiram	Aarti
104	Yeola Geetanjali Vijay	Geetanjali
105	Zanjad Shrutika Santosh	Shrutika

Dr. Y.S. Tambe



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ASSESSMENT



PES Modern College of Pharmacy (for Ladies), Moshi

B. Pharmacy [2022-23]

Title : Laboratory Safety

Subject : Laboratory Safety - Theory

Faculty : Prof Dr. Vrushali Tambe

Year : First Year - Second semester

Date : Tue 02 May, 2023

Marks : 10

Duration : 15 Minutes

1] **Question :** Flammable materials, like alcohol, should not be open near _____ [Multiple Correct] [1 Marks]

- 1) open door
- 2) open sink
- 3) open flame
- 4) another student

Explanation :

2] **Question :** If acid splashed out on your skin, wash skin with _____ [Multiple Correct] [1 Marks]

- 1) weak base
- 2) soap
- 3) water
- 4) oil

Explanation :

3] **Question :** After completion of practicals, return all unused chemicals to its original container [Multiple Correct] [1 Marks]

- 1) true
- 2) false

Explanation :

Bloom's Level: Create

4] **Question :** Sodium metal is always placed in _____ [Multiple Correct] [1 Marks]

- 1) water
- 2) oil
- 3) acid
- 4) Kerosene

Explanation :





5] Question : For bio-hazardous waste, always use _____ colored bag [Multiple Correct] [1 Marks]

- 1) yellow
- 2) red
- 3) green
- 4) blue

Explanation :

6] Question : You're working with a Bunsen burner, and your lab partner's sleeve catches fire. You alert the instructor or lab assistant. What should be the right course of action now? [Multiple Correct] [1 Marks]

- 1) Pour water over your lab partner's sleeve.
- 2) Smother the flame using a fire blanket.
- 3) Try to beat the fire out with your hand.
- 4) Leave the lab immediately and call for help.

Explanation :

Bloom's Level: Remember

7] Question : When diluting a strong acid, you should: [Multiple Correct] [1 Marks]

- 1) Add water to acid
- 2) It doesn't matter, the order of addition doesn't affect the reaction
- 3) Neither one, acids should never be diluted
- 4) Add acid to water

Explanation :

Bloom's Level: Remember

8] Question : When a body tissue cell is damaged by radiation: [Multiple Correct] [1 Marks]

- 1) The cell may lose its ability to reproduce.
- 2) The cell may die.
- 3) Damage is caused by knocking an electron out of the orbit of its parent atom.
- 4) All of the above

Explanation :

Bloom's Level: Remember

9] Question : Plan what you do, Do what you Plan, Check your work, Improve for your Customer is the Quality cycle. Who among the following is most responsible for "Planning" [Multiple Correct] [1 Marks]

- 1) Facility Management
- 2) Study Director
- 3) Quality Assurance Unit
- 4) Quality Control Unit

Explanation :

Bloom's Level: Remember, Create





10] Question : As per guidelines, What is NOT a test system? [Multiple Correct] [1 Marks]

- 1) Any animal, plant or microorganism (or subparts) to which the test article is administered.
- 2) Reagents and Workspace around the experiment
- 3) Items removed from an animal for further study by histopathology
- 4) All of the above

Explanation :

Bloom's Level: Remember, Create



Dr. Y.S. Tambe
Dr. Y.S. Tambe



MARKSHEET



PES Modern College of Pharmacy (for Ladies), Moshi
Marks Sheet [Theory]

Laboratory Safety (Second semester)

Date: 02/05/23 Subject: Laboratory Safety

S.No.	Student Name	Roll No.	Marks Obtained	S.No.	Student Name	Roll No.	Marks Obtained	S.No.	Student Name	Roll No.	Marks Obtained
1	Sanika Abhang	1	7	26	Snehal Gadekar	26	7	51	Pallavi Khambarkar	52	6
2	Khushbu Agravat	2	8	27	Divya Gharge	27	6	52	Khairunnisa Khan	53	AB
3	Snehal Alat	3	6	28	Akshada Ghonge	28	5	53	Heena Khan	54	6
4	Supriya Aradkar	4	8	29	Vaibhavai Gopale	29	7	54	Ekta Khandelwal	55	AB
5	Sanika Asole	5	7	30	Sayali Govardhan	30	5	55	Gauri Kharde	56	6
6	Mrunalini Bangar	6	8	31	Prachi Gurav	31	5	56	Kiran Landge	57	6
7	Rasika Bhandakkar	7	5	32	Jayashri Hande	32	6	57	Swapnali Langhi	58	7
8	Manaswi Bhandare	8	7	33	Vaibhavi Hargude	33	5	58	Pornima Laware	59	6
9	Zeel Bhanushali	9	6	34	Nikita Hole	34	6	59	Disha Mahajan	60	6
10	Rutuja Bhoskar	10	7	35	Saee Jadhav	35	7	60	Vaishnavi Mhaske	61	8
11	Rachana Bhusale	11	7	36	Harshada Jadhav	36	5	61	Shivani Mhetre	62	5
12	Aarti Biradar	12	8	37	Ishwari Jadhav	37	6	62	Rutuja Mundfane	63	8
13	Siddhi Butte	13	6	38	Madhura Jadhav	38	5	63	Vaishnavi Murkute	64	5
14	Shafaq Chaudhary	14	8	39	Sonali Jadhav	39	5	64	Kshitija Nanekar	65	7
15	Tulsi Chavan	15	6	40	Shruti Jagtap	40	7	65	Shraddha Nangare	66	6
16	Chanda Chavhan	16	7	41	Kalyani Jichkar	41	7	66	Sakshi Netake	67	6
17	Laxmi Chavhan	17	6	42	Nishigandha Kadam	42	5	67	Vaishnavi Nile	68	6
18	Snehal Damse	18	8	43	Vinaya Kalbhor	43	6	68	Riddhi Parmar	69	5
19	Samiksha Date	19	8	44	Rutuja Kale	44	AB	69	Aakanksha Patil	70	7
20	Jyoti Deokar	20	8	45	Rutuja Kale	45	6	70	Anisha Patil	71	5
21	Vaishnavi Deshmukh	21	7	46	Sanika Kamble	46	9	71	Nikita Patil	72	6
22	Vasudha Deshpande	22	8	47	Saniya Kanhare	47	AB	72	Priyanka Patil	73	6
23	Sakshi Dhawade	23	7	48	Amruta Kashid	48	5	73	Sayali Patil	74	5
24	Samiksha Dhoran	24	AB	49	Shamal Kendale	50	7	74	Janhvi Pawar	75	7
25	Muskan Dodamanishaikh	25	7	50	Janhvi Patil	51	6	75	Sanskriti Phakatkar	76	6



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Business Council P.E. Society, Pune

S.No.	Student Name	Roll No.	Marks Obtained	S.No.	Student Name	Roll No.	Marks Obtained
76	Anjali Phatangare	77	6	101	Namrata Wagh	102	6
77	Tanvi Phuge	78	8	102	Vaishnavi Wagh	103	8
78	Samruddhi Potghan	79	6	103	Shruti Waghule	104	6
79	Shreya Rathod	80	6	104	Dharna Walli	105	7
80	Pooja Salve	81	6	105	Yukta Wawge	106	8
81	Rutuja Sankpal	82	7	106	Sanika Yadav	107	7
82	Trupti Sarode	83	8	107	Shraddha Yadav	108	7
83	Jyoti Sarwadnya	84	7	108	Vaishnavi Yadav	109	7
84	Dhanshree Saste	85	8	109	Aarti Yelave	110	7
85	Asiya Sayyad	86	6	110	Geetanjali Yeola	111	8
86	Alphiya Shaikh	87	5	111	Shrutika Zanjad	112	9
87	Muskan Shaikh	88	5				
88	Mukta Shingade	89	7				
89	Anjali Shinde	90	6				
90	Pradipti Shinde	91	6				
91	Saniya Shinde	92	6				
92	Shruti Shingade	93	7				
93	Priya Singh	94	6				
94	Mrunal Sonawale	95	6				
95	Shreya Sontakke	96	6				
96	Aasavari Suryawanshi	97	6				
97	Rahel Suryawanshi	98	5				
98	Pranali Talele	99	5				
99	Nikita Titkare	100	AB				
100	Akanksha Wagh	101	6				

Analysis of Laboratory Safety (2022-23) [Theory]

Sr. No.	Subject Code	Name of Subject	Theory / Practical	Marks Obtained Lowest	Marks Obtained Highest	No. of Student appeared	No. of Student pass	% Pass (Out of Total Students)	% Pass (Out of Present Students)	% of Student Above 60%
1		Laboratory Safety	Theory	5	9	105	105	94.59	100.00	77.48

Signature of subject teacher (Prof Dr. Vrushali Tambe / Tejashree sande)

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15. Aseptic Technique Syllabus

Date: 18/07/2022

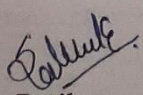
NOTICE

All the faculty members and students of S.Y.B.Pharm are hereby informed that, college has organized one month training course on **Aseptic techniques** in the month of July -Sept 2022.

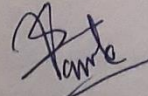
Kindly give your confirmation for joining the course to coordinator of programme Mrs. Sneha K. Patil.

Details of course content are as follows:

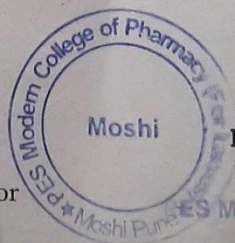
Session	Topic	Duration
1	Introduction to aseptic techniques	4Hrs
2	Introduction to sterilization techniques and equipment	4Hrs
3	Training on sterilization of glassware and workplace	4Hrs
4	Demonstrations on preparation and sterilization of bacteriological media	4Hrs
5	Demonstration on aseptically transfer of microbiological cultures on different medias	4Hrs
6	Disposal methods of biohazardous waste material	4Hrs
7	Visit to Aseptic Room and Laminar air flow	6Hrs
	Test	
Total Hrs		30 hrs

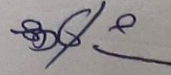

Mrs. Sneha Patil

Programme coordinator


Dr. V.S. Tambe

IQAC Co-ordinator




Dr. S.N. Dhole

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Topic 1-Introduction to aseptic techniques

- Terminologies used in aseptic techniques and sterilization like pure culture, inoculum, media, contamination, sterilization, aseptic techniques etc.
- Need of aseptic techniques
- Practices included in aseptic technique
- General Procedure and precautions taken during growth of microorganisms and inoculating media aseptically

Topic 2- Introduction to sterilization techniques and equipment

- Terminologies related with sterilization, types of sterilization techniques
- Equipment used in sterilization
- Introduction to working, mechanism of sterilization and precautions taken during the handling of equipment by giving demonstration on it.

Topic 3-Training on sterilization of glassware and workplace

- Introduction to glassware used in the laboratories
- Cleaning of Glassware, Sterilization of Glassware- techniques for sterilization
- Maintenance of sterility of glassware
- Sterilization of workplace and area

Topic 4- Demonstrations on preparation and sterilization of bacteriological media

- Introduction to growth media and its types
- Introduction to available medias and its uses
- Preparation of media , precaution taking during and after weighing of ingredients/media
- Demonstration on packaging of glassware and prepared media for sterilization, demo on autoclaving process
- Demonstration on preparation of agar plates, slants and slabs for culturing microorganism.
- Storage of sterile plates, slants and slabs

Topic 5- Demonstrations on preparation and sterilization of bacteriological media

- Procedure for aseptically transferring microorganisms
- Demonstration on-
 - Transferring the inoculum into a broth tube
 - Transferring the inoculum into a petri plate
- Forms of culture media
- Physicochemical requirements for microbial growth
- To study Colony Morphology and Pigmentation after growth of microorganism





Topic 6- Disposal methods of biohazardous waste material

- Introduction to different ways to dispose biohazardous waste like-
Incineration, Autoclaving, Chemical disinfection, Encapsulation
- Safety guidelines during handling of biohazardous waste

Topic 7- Visit to Aseptic Room and Laminar air flow

Test



Ralumbae



List of students enrolled with signature

Aseptic Techniques (1 Month)
7 Days

Roll. No	Name of students	Sign
1	Amble Shruti Pramod	Shruti
2	Awale Sayali Hanumant	Sayali
3	Bachkar Sonali Bhmaji	Sonali
4	Bagul Trupti Rajesh	Trupti
5	Baskar Asvitha	Asvitha
6	Bawane Sanyukta S	Sanyukta
7	Bhangre Mrudula B	Mrudula
8	Bhavar Rutuja B	Rutuja
9	Bhilare Tejasvini Kiran	Tejasvini
10	Bhosale Gautami G	Gautami
11	Bhosale Saroj	Saroj
12	Biradar Shradda S	Shradda
13	Birle Vaishnavi Sachin	Vaishnavi
14	Chaudhary Zainab G	Zainab
15	Dadas Vaishnavi Dhanaji	Vaishnavi
16	Dasarwar Pranita	Pranita
17	Dhadge Sharli Ravindra	Sharli
18	Dhas Pratiksha	Pratiksha
19	Dhokane Aastha Sunil	Aastha
20	Dhole Siddhi Bhausheb	Siddhi
21	Dhormare Radha Avinash	Radha
22	Dhumal Mayuri D	Mayuri
23	Dhumane Isha Anand	Isha
24	Doke Rutuja Jalindra	Rutuja
25	Falke Gitanjali B.	Gitanjali
26	Gadekar Rachana B	Rachana
27	Gaikwad Samruddhi S	Samruddhi
28	Gavade Sanika Kalidas	Sanika
29	Gaware Nikita K	Nikita
30	Ghanwat Snehal	Snehal
31	Gharge Mrunal	Mrunal
32	Ghodke Vaishnavi	Vaishnavi
33	Gosavi Mansi	Mansi
34	Ghodke Vaishnavi	Vaishnavi
35	Gosavi Mansi	Mansi
36	Hule Sarthi Rajendra	Sarthi
37	Ingole Pooja Pramod	Pooja



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M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

38	Jadhav Akansha J	Akansha
39	Jadhav Ketaki Pratap	Ketaki
40	Jawanjal Purva S	Jee
41	Kadam Smita Poapt	Smita
42	Kale Anushka Shrikant	Anushka
43	Kale Prachi Bhagavan	Prachi
44	Kamble Sakshi Anand	Sakshi
45	Kanode Shweta Sanjay	Shweta
46	Kapale Anushree A	Anushree
47	Kashid Snehal Popat	Snehal
48	Katore Purva Rajendra	Purva
49	Kedari Payal Narayan	Payal
50	Khaire Srushti Navnath	Srushti
51	Kharabi Siddhi Rahul	Siddhi
52	Khule Pallavi Ashok	Pallavi
53	Kobal Sakshi Uttam	Sakshi
54	Konde Khushi Amol	Khushi
55	Kshirsagar Pratiksha D	Pratiksha
56	Kumbhar Divya M	Divya
57	Lande Trupti Nilesh	Trupti
58	Lohar Rutuja Deepak	Rutuja
59	Magar Swamini C	Swamini
60	Mali Mansi Sachin	Mansi
61	Mali Vaishnavi B	Vaishnavi
62	Mane Nayan V	Nayan
63	Mane Shreya Mahesh	Shreya
64	Manjare Pratiksha I	Pratiksha
65	Marade Yogita V	Yogita
66	Mehasare Gayatri R	Gayatri
67	Mohite Chaitali	Chaitali
68	Mohite Rakhi Rajesh	Rakhi
69	Momin Nida B	Nida
70	More Sneha Santosh	Sneha
71	Nikam Akansha	Akansha
72	Nikam Shruti	Shruti
73	Pacharne Charuta P	Charuta
74	Pachpande Tanmayee A	Tanmayee
75	Panchbhai Ovee Balraj	Ovee
76	Pande Kanchan Manohar	Kanchan
77	Patil Kalika Raosaheb	Kalika
78	Patil Deepali	Deepali
79	Patil Indrayani Vijay	Indrayani
80	Patil Mansi Prashant	Mansi
81	Patil Vaishnavi Dinesh	Vaishnavi
82	Punde Kshitija Rajendra	Kshitija
83	Rathod Radhika	Radhika
84	Rathod Sonali	Sonali



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Business Council P.E. Society, Pune

85	Roundhal Akanksha	Akanksha
86	Sahare Kamini	Kamini
87	Sakpal Trupti Sudhir	Trupti
88	Salunke Vaishnavi Gitraj	Vaish
89	Sapate Tanuja Vagambar	Tanuja
90	Satkar Sakshi Kalidas	Sakshi
91	Satpute Jayshri	Jayashri
92	Sawant Neha Vithal	NSawant
93	Sawant Riya	Riya
94	Sawant Shraddha Chandrkant	Shraddha
95	Shenavi Tanayee Pravin	Shenavi
96	Shetty Diya	Diya
97	Shevkari Sayali	Shevkari
98	Talpade Arya Ajay	Arya Talpade
99	Wagdare Falguni Ram	Falguni
100	Waghmare Ragini Madhav	Ragini
101	Wavhal Sakshi Satosh	Sakshi
102	Yadav kumkum Bachelal	KBU
103	Yadav Salone Sanjay	Saloni
104	Yelwande Ankita Dattatray	Ankita
105	Zagade Janhavi Machindra	Janhavi

Rakshita
S.K. Patil

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Assesment and Marksheets



PES Modern College of Pharmacy (for Ladies), Moshi

B. Pharmacy [2022-23]

Title : Aseptic techniques

Subject : Aseptic Techniques (Value Added course) - Theory

Faculty : Sneha. Patil

Year : Second Year - Third Semester

Date : Sat 22 Oct, 2022

Marks : 10

Duration : 20 Minutes

1] Question : 1. Which of the following is TRUE of aseptic technique? [Multiple Correct] [1 Marks]

- 1) Aseptic technique is intended to minimize contamination from pathogens.
- 2) Aseptic technique is intended to minimize contamination from all microorganisms.
- 3) Aseptic technique requires at least a five minute hand washing.
- 4) Aseptic technique is only used in operating rooms for major surgeries.

Explanation :

Bloom's Level: Remember

2] Question : The presence of only one living microorganism means an object is: [Multiple Correct] [1 Marks]

- 1) A. Aseptic
- 2) B. Sanitized
- 3) C. Disinfected
- 4) D. Contaminated

Explanation :

3] Question : The purpose of the hand scrub by the surgical team is to render their skin: [Multiple Correct] [1 Marks]

- 1) A. Sterile
- 2) B. Sanitized.
- 3) C. Disinfected.
- 4) D. Surgically Clean

Explanation :

4] Question : After steam sterilization, which items should not be considered sterile? [Multiple Correct] [1 Marks]

- 1) A. Suction tips attached to tubing.
- 2) B. Asepto syringes with bulbs attached.
- 3) C. Cautery tips bound with rubber bands.
- 4) D. All of the above.

Explanation :

Bloom's Level: Remember



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5] Question : Antiseptics which arrest growth of bacteria are ____; those which kill bacteria are ____.

[Multiple Correct] [1 Marks]

- 1) A. Bacteriostatic; bactericidal.
- 2) B. Sanitizers; disinfectants.
- 3) C. Bactericidal; aseptics.
- 4) D. Sporicidal; bacteriostatic.

Explanation :

Bloom's Level: Remember

6] Question : What is pellicle? [Multiple Correct] [1 Marks]

- 1) A. Scum layer where bacteria grows on surface
- 2) B. Bacteria growing up the side of the glass
- 3) C. Bacteria suspended throughout the entire broth
- 4) D. Cloudiness

Explanation :

7] Question : Meaning of Psychrophile [Multiple Correct] [1 Marks]

- 1) A. Likes colder environments
- 2) B. Grows in heat
- 3) C. Likes our body temp
- 4) D. Likes Georgia

Explanation :

8] Question : What is Facultative Anaerobic bacteria? [Multiple Correct] [1 Marks]

- 1) A. Means bacteria prefers oxygen but "in a pinch" can grow without oxygen
- 2) B. Means bacteria can grow without oxygen
- 3) C. Means bacteria can grow with oxygen
- 4) D. Means bacteria doesn't like like anything

Explanation :

Bloom's Level: Remember

9] Question : Slants provide a solid growth surface that is easy to transport [Multiple Correct] [1 Marks]

- 1) true
- 2) false

Explanation :

10] Question : Which of the following is the recommended and required heat temperature and time period for the moist heat sterilization method used in an autoclave? [Multiple Correct] [1 Marks]

- 1) a) 180 c for 5 minutes
- 2) b) 121 c for 15 minutes
- 3) c) 126 c for 3 minutes
- 4) d) 160 c for 45 minutes

Explanation :



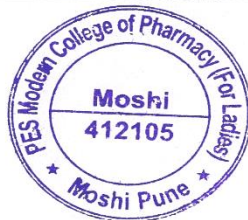


PES Modern College of Pharmacy (for Ladies), Moshi
Marks Sheet [Theory]

Aseptic Technique 2022-23 (Third Semester)

Date: 22/10/22 Subject: Aseptic Techniques (Value Added course)

S.No.	Student Name	Roll No.	Marks Obtained	S.No.	Student Name	Roll No.	Marks Obtained	S.No.	Student Name	Roll No.	Marks Obtained
1	Shruti Amble	1	7	26	Rutuja Gaikwad	26	9	51	Khushi Konde	51	7
2	Sayali Awale	2	8	27	Samruddhi Gaikwad	27	6	52	Pratiksha Kshirsagar	52	7
3	Sonali Bachkar	3	8	28	Sanika Gavade	28	8	53	Divya Kumbhar	53	8
4	Trupti Bagul	4	8	29	Nikita Gaware	29	8	54	Trupti Lande	54	6
5	Asvitha Baskar	5	8	30	Gayatri Harke	30	6	55	Rutuja Lohar	55	7
6	Sanyukta Bawane	6	8	31	Sarathi Hule	31	8	56	Swamini Magar	56	5
7	Mrudula Bhangre	7	8	32	Pooja Ingole	32	6	57	Mansi Mali	57	6
8	Rutuja Bhavar	8	7	33	Akansha Jadhav	33	6	58	Vaishnavi Mali	58	7
9	Tejasvini Bhilare	9	7	34	Ketaki Jadhav	34	8	59	Nayan Mane	59	8
10	Gautami Bhosale	10	8	35	Purva Jawanjale	35	7	60	Shreya Mane	60	6
11	Shraddha Biradar	11	7	36	Smita Kadam	36	7	61	Pratiksha Manjare	61	10
12	Vaishnavi Birle	12	6	37	Anushka Kale	37	8	62	Yogita Marade	62	8
13	Zainab Choudhary	13	7	38	Dnyaneshwari Kale	38	AB	63	Gayatri Mehasare	63	6
14	Vaishnavi Dadas	14	8	39	Prachi Kale	39	9	64	Rakhi Mohite	64	9
15	Esha Dahate	15	AB	40	Sakshi Kamble	40	8	65	Nida Momin	65	9
16	Sharli Dhadge	16	7	41	Shweta Kanode	41	6	66	Sneha More	66	9
17	Aastha Dhokane	17	8	42	Anushree Kapale	42	8	67	Janhavi Navgire	67	9
18	Akanksha Dhole	18	AB	43	Snehal Kashid	43	8	68	Charuta Pacharne	68	9
19	Siddhi Dhole	19	8	44	Purva Katore	44	8	69	Tanmayee Pachpande	69	7
20	Radha Dhormare	20	8	45	Payal Kedari	45	7	70	Monika Padwal	70	7
21	Mayuri Dhumal	21	8	46	Vaishali Kedari	46	7	71	Ovee Panchbhai	71	7
22	Isha Dhumane	22	7	47	Srushti Khaire	47	7	72	Kanchan Pande	72	9
23	Rutuja Doke	23	9	48	Siddhi Kharabi	48	6	73	Vaishnavi Pardeshi	73	6
24	Gitanjali Falke	24	9	49	Pallavi Khule	49	8	74	Kalika Patil	74	7
25	Rachana Gadekar	25	7	50	Sakshi Kobal	50	8	75	Indrayani Patil	75	8





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Business Council P.E. Society, Pune

S.No.	Student Name	Roll No.	Marks Obtained	S.No.	Student Name	Roll No.	Marks Obtained
76	Mansi Patil	76	9	101	Sakshi Vishwakarma	101	8
77	Vaishnavi Patil	77	8	102	Falguni Wagdare	102	6
78	Kshitija Punde	78	9	103	Ragini Waghmare	103	7
79	Aishwarya Reddy	79	8	104	Manisha Walwate	104	7
80	Akanksha Roundhal	80	5	105	Sakshi Wavhal	105	7
81	Trupti Sakpal	81	7	106	Kumkum Yadav	106	8
82	Vaishnavi Salunke	82	9	107	Saloni Yadav	107	8
83	Tanuja Sapate	83	6	108	Ankita Yelwande	108	8
84	Sakshi Satkar	84	8	109	Janhavi Zagade	109	8
85	Neha Sawant	85	9				
86	Shraddha Sawant	86	6				
87	Tanyee Shenavi	87	9				
88	Diya Shetty	88	9				
89	Sakshi Sonar	89	5				
90	Vipashana Sonavane	90	8				
91	Sanika Sukre	91	8				
92	Prerana Suryawanshi	92	5				
93	Talekar Tejal	93	AB				
94	Arya Talpade	94	6				
95	Maya Temkar	95	6				
96	Rutuja Thorat	96	7				
97	Vaishnavi Thorat	97	6				
98	Shradha Thorbole	98	6				
99	Samidha Tikudwe	99	8				
100	Madhavi Tirkhunde	100	7				

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Tal. Haveli, Dist. Pune-412 105.

Analysis of Aseptic Technique 2022-23 (2022-23) [Theory]

Sr. No.	Subject Code	Name of Subject	Theory / Practical	Marks Obtained Lowest	Marks Obtained Highest	No. of Student appeared	No. of Student pass	% Pass (Out of Total Students)	% Pass (Out of Present Students)	% of Student Above 60%
1		Aseptic Techniques (Value Added course)	Theory	5	10	105	105	96.33	100.00	92.66

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16. Training on calibration of instruments

Syllabus

Date: 15/07/2022

NOTICE

All the faculty members and students of T.Y.B.Pharm are hereby informed that, college has organized training course on **Training on calibration of instruments** in the month of Aug-Sept 2022.

Kindly give your confirmation for joining the course to your class teachers

Details of course content are as follows:

Session	Topic	Duration
1	Calibration of Volumetric Glass Wares.	4Hrs
2	Calibration of Analytical Balance	2Hrs
3	Calibration of Double Distillation Unit	2Hrs
4	Calibration of PH Meter, Conductometer	4Hrs
5	Calibration of Refractometer	4Hrs
6	Calibration of UV-Visible Spectrophotometer	4Hrs
7	Calibration of HPLC	4Hrs
8	Validation of HPLC Instrument	4Hrs
9	Practical test on calibration, Theory test	4 Hrs
Total Hrs		32hrs


Dr.V.S.Tambe




Dr.S.N.Dhole

IQAC Co-ordinator, Programme Coordinator

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List of students Enrolled with Signature

Principal

Business Council P.E. Society, Pune

Training on Calibration of Instruments (8 Days)

Roll. No	Name of students	Sign
1	Gayatri Aade	G. Aade
2	Adalinge Bhagyashri	Bhagyashri
3	Shraddha Adhav	S. Adhav
4	Rucha Akanikar	R. Akanikar
5	Rutuja Ankushe	R. Ankushe
6	Akansha Arekar	A. Arekar
7	Misba Attar	M. Attar
8	Pratiksha Bhandarkar	P. Bhandarkar
9	Nandini Bhavsar	N. Bhavsar
10	Akshata Bhor	A. Bhor
11	Sayali Bhor	S. Bhor
12	Aishwarya Bhore	A. Bhore
13	Mrunmayi Bhosale	M. Bhosale
14	Manaswi Bhurkud	M. Bhurkud
15	Bushra Bagwan	B. Bagwan
16	Aishwarya Choudhari	A. Choudhari
17	Ashwini Dafal	A. Dafal
18	Anushka Deokar	A. Deokar
19	Sakshi Devsatwar	S. Devsatwar
20	Aditi Dhanawade	A. Dhanawade
21	Nikita Dhanawate	N. Dhanawate
22	Dhanshri Dhawale	D. Dhawale
23	Ritika Dhonge	R. Dhonge
24	Sanika Dhore	S. Dhore
25	Shital Dindewad	S. Dindewad
26	Akanksha Doiphode	A. Doiphode
27	Harshada Dolare	H. Dolare
28	Sakshi Gade	S. Gade
29	Nikita Gadhave	N. Gadhave
30	Vaibhavi Gandhi	V. Gandhi
31	Shweta Gatkai	S. Gatkai
32	Anjali Gautam	A. Gautam
33	Arati Gavali	A. Gavali
34	Pranali Gavate	P. Gavate
35	Priti Ghenand	P. Ghenand
36	Prachiti Ghodake	P. Ghodake





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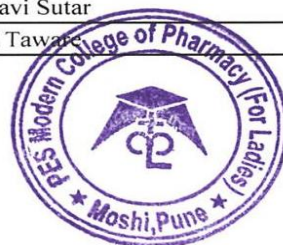
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37	Rutuja Ghundare	Rutuja
38	Vedanti Gulhane	Vedanti
39	Vaishnavi Gupta	Vaishnavi
40	Anuja Gurav	Anuja
41	Sakshi Gurav	Sakshi
42	Kadambari Hankare	Kadambari
43	Sakshi Hiwale	Sakshi
44	Neha Jadhav	Neha
45	Pooja Jadhav	Pooja
46	Pallavi Jadhavar	Pallavi
47	Urwashi Jagdale	Urwashi
48	Shital Kardile	Shital
49	Pranjal Katkar	Pranjal
50	Manisha Kevat	Manisha
51	Pratiksha Kimbahune	Pratiksha
52	Vaishnavi Labade	Vaishnavi
53	Pranjal Landge	Pranjal
54	Pranjal Lokhande	Pranjal
55	Kalyani Madake	Kalyani
56	Gayatri Mahamuni	Gayatri
57	Ashwini Mohite	Ashwini
58	Shravani Mule	Shravani
59	Anushka Nagare	Anushka
60	Pratiksha Nale	Pratiksha
61	Prerana Nandkhile	Prerana
62	Suman Padwal	Suman
63	Amita Pakhare	Amita
64	Kalyani Pandit	Kalyani
65	Sneha Pansare	Sneha
66	Pratibha Parhad	Pratibha
67	Nikita Parve	Nikita
68	Janhavi Pasmе	Janhavi
69	Bhagyashri Patil	Bhagyashri
70	Kirti Patil	Kirti
71	Vaishnavi Patil	Vaishnavi
72	Akshata Pawar	Akshata
73	Divya Rane	Divya
74	Prachi Ranjane	Prachi
75	Ankita Rathod	Ankita
76	Divya Rathod	Divya
77	Anagha Saste	Anagha
78	Siddhi Sawal	Siddhi
79	Aishwarya Selsurekar	Aishwarya
80	Aditi Shevkari	Aditi
81	Rutuja Sonawane	Rutuja
82	Vaishnavi Sutar	Vaishnavi
83	Pranjal Tawar	Pranjal



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Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCI),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

84	Punam Thigale	
85	Srushti Vidhate	
86	Prachi Wadekar	
87	Vaishali Wagh	
88	Vaishnavi Waghmare	
89	Tanaya Walse	
90	Sejal Walunj	
91	Bhakare Mayuri	
92	BijjaSampada	
93	Borate Nikita	
94	Choudhary Payal	
95	Date varsha	
96	Gavle Shruti	
97	Jadhav Jyoti	
98	KabneAkankasha	
99	Manekar Sharayu	
100	Mavkar Rutuja	
101	Pawar Nikita	
102	Salunkhe Sakshi	
103	Salve Devyani	

Dr. V. S. Tambe

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(For Ladies) -
Borhadewadi, At/Post Moshi
Tal.Haveli, Dist.Pune - 412105



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Assessment and Marksheet



PES Modern College of Pharmacy (for Ladies), Moshi

B. Pharmacy [2022-23]

Title : Training on calibration of Instruments
Subject : Training on calibration of instruments - Theory
Faculty : Prof Dr. Vrushali Tambe
Year : Third Year - Fifth Semester
Date : Sat 22 Oct, 2022
Marks : 10
Duration : 15 Minutes

1] **Question :** Which substance is used to calibrate a pH meter to a pH value of 7 (neutral)? [Multiple Correct]
[1 Marks]

- 1) Distilled water
- 2) Sodium chloride
- 3) Potassium hydroxide
- 4) Buffer solution

Explanation :

Bloom's Level: Remember, Evaluate

2] **Question :** relative standard deviation formula is standard deviation/mean (s/x) • 100 [Multiple Correct] [1
Marks]

- 1) true
- 2) false

Explanation :

3] **Question :** The maximum amount a weight reading may deviate from a straight line between zero and the
maximum capacity of the balance is: [Multiple Correct] [1 Marks]

- 1) Repeatability
- 2) Capacity
- 3) Linearity
- 4) Net weight

Explanation :

4] **Question :** The Liebigcondenser is a tube which is surrounded by _____ in distillation unit [Multiple
Correct] [1 Marks]

- 1) water
- 2) gas
- 3) condensate
- 4) cool air

Explanation :



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Bloom's Level: Remember

5] Question : The photon of wavelength 400 nm corresponds to _____ wave number. [Multiple Correct] [1 Marks]

- 1) 20000 cm⁻¹
- 2) 25000 cm⁻¹
- 3) 40000 cm⁻¹
- 4) None of the above

Explanation :

6] Question : For the detection of Limit of stray light , _____ solution is used [Multiple Correct] [1 Marks]

- 1) potassium permanganate
- 2) potassium chloride
- 3) perchloric acid solution
- 4) sulfuric acid solution

Explanation :

7] Question : Calibration of column, in HPLC, is done by optimizing [Multiple Correct] [1 Marks]

- 1) column temperature, and dimension
- 2) column length and width
- 3) column temperature and pressure
- 4) column pressure and length

Explanation :

8] Question : I can operate any C18 HPLC column with a 100 % aqueous mobile phase. [Multiple Correct] [1 Marks]

- 1) True
- 2) false

Explanation :

Bloom's Level: Apply

9] Question : In calibration of pump, acceptance criteria for Flow Rate Accuracy is [Multiple Correct] [1 Marks]

- 1) within $\pm 2.0\%$ of the set value.
- 2) within $\pm 1.0\%$ of the set value.
- 3) more than $\pm 2.0\%$ of the set value.
- 4) more than $\pm 1.0\%$ of the set value.

Explanation :

Bloom's Level: Evaluate



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10] Question : Pressure range in normal analytical separations [Multiple Correct] [1 Marks]

- 1) 3000 – 6000 psi
- 2) 2000 – 4000 psi
- 3) 3000 – 4000 psi
- 4) 3000 – 7000 psi

Explanation :



Tambe
Dr. Y.S. Tambe



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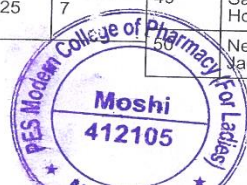


PES Modern College of Pharmacy (for Ladies), Moshi
Marks Sheet [Theory]

Training on calibration of instruments (Fifth Semester)

Date: 22/10/22 Subject: Training on calibration of instruments

S.No.	Student Name	Roll No.	Marks Obtained	S.No.	Student Name	Roll No.	Marks Obtained	S.No.	Student Name	Roll No.	Marks Obtained
1	Gayatri Aade	1	7	26	Ritika Dhonge	26	7	51	Pooja Jadhav	51	6
2	Adalinge Bhagyashri	2	8	27	Sanika Dhore	27	6	52	Pallavi Jadhavar	52	6
3	Shraddha Adhav	3	6	28	Shital Dindewad	28	5	53	Urwashi Jagdale	53	6
4	Rucha Akanikar	4	8	29	Akanksha Doiphode	29	7	54	Supriya Kadbhane	54	AB
5	Rutuja Ankushe	5	7	30	Harshada Dolare	30	6	55	Shital Kardile	55	6
6	Akansha Arekar	6	8	31	Sakshi Gade	31	5	56	Pranjal Katkar	56	6
7	Misba Attar	7	5	32	Nikita Gadhave	32	6	57	Manisha Keval	57	7
8	Varsha Bangar	8	AB	33	Vaibhavi Gandhi	33	5	58	Pratiksha Kimbahune	58	7
9	Pratiksha Bhandarkar	9	6	34	Shweta Gatkal	34	6	59	Pratiksha Kothawale	59	AB
10	Nandini Bhavsar	10	7	35	Anjali Gautam	35	7	60	Rutika Kshirsagar	60	AB
11	Varsha Bhilare	11	AB	36	Arati Gavali	36	6	61	Vaishnavi Labade	61	5
12	Akshata Bhor	12	8	37	Pranali Gavate	37	6	62	Pranjal Landge	62	8
13	Sayali Bhor	13	6	38	Harshada Gaware	38	AB	63	Pranjal Lokhande	63	6
14	Aishwarya Bhole	14	8	39	Priti Ghenand	39	5	64	Kalyani Madake	64	7
15	Mrunmayi Bhosale	15	5	40	Prachiti Ghodake	40	7	65	Utkarsha Mahajan	65	AB
16	Manaswi Bhurkud	16	7	41	Rutuja Ghundare	41	7	66	Gayatri Mahamuni	66	6
17	Bushra Bagwan	17	6	42	Vedanti Gulhane	42	6	67	Ashwini Mohite	67	6
18	Priya Chauhan	18	AB	43	Vaishnavi Gupta	43	6	68	Sayali More	68	AB
19	Aishwarya Choudhari	19	8	44	Anuja Gurav	44	6	69	Shravani Mule	69	6
20	Ashwini Dafal	20	8	45	Sakshi Gurav	45	6	70	Anushka Nagare	70	6
21	Anushka Deokar	21	7	46	Anjali Hande	46	AB	71	Pratiksha Nale	71	6
22	Sakshi Devsatwar	22	8	47	Kadambari Hankare	47	6	72	Prerana Nandkhile	72	7
23	Aditi Dhanawade	23	7	48	Sakshi Hiwale	48	7	73	Renuka Padavale	73	AB
24	Nikita Dhanawate	24	6	49	Sakshi Holkunde	49	AB	74	Suman Padwal	74	7
25	Dhanshri Dhawale	25	7	50	Neha Jadhav	50	6	75	Amita Pakhare	75	6



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Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

S.No.	Student Name	Roll No.	Marks Obtained	S.No.	Student Name	Roll No.	Marks Obtained	S.No.	Student Name	Roll No.	Marks Obtained
76	Pradnya-Palaskar	76	AB	101	Pranjali Taware	101	5	126	Varsha Sangade	126	AB
77	Kalyani Pandit	77	8	102	Punam Thigale	102	8	127	Neha Saste	127	AB
78	Sneha Pansare	78	6	103	Vaibhavi Umap	103	AB				
79	Pratibha Parhad	79	6	104	Srushti Vidhate	104	7				
80	Nikita Parve	80	6	105	Prachi Wadekar	105	8				
81	Janhavi Pasmе	81	7	106	Vaishali Wagh	106	7				
82	Sakshi Pathare	82	AB	107	Sakshi Waghmare	107	AB				
83	Bhagyashri Patil	83	8	108	Vaishnavi Waghmare	108	6				
84	Kirti Patil	84	8	109	Tanaya Walse	109	8				
85	Vaishnavi Patil	85	6	110	Sejal Walunj	110	8				
86	Akshata Pawar	86	5	111	Mayuri Bhakare	111	6				
87	Priyanka Pharate	87	AB	112	Vrushali Bhangale	112	AB				
88	Divya Rane	88	6	113	Sampada Bijja	113	7				
89	Prachi Ranjane	89	6	114	Nikita Borate	114	7				
90	Ankita Rathod	90	6	115	Payal Choudhary	115	8				
91	Divya Rathod	91	6	116	Varsha Date	116	8				
92	Prajakta Salunke	92	AB	117	Shruti Gavle	117	9				
93	Anagha Saste	93	6	118	Jyoti Jadhav	118	9				
94	Siddhi Sawal	94	5	119	Janhavi Jaiswal	119	AB				
95	Aishwarya Selsurekar	95	6	120	Akankasha Kabne	120	7				
96	Aditi Shevkari	96	6	121	Sharayu Manekar	121	7				
97	Harshita Singh	97	AB	122	Rutuja Mavkar	122	8				
98	Rutuja Sonawane	98	6	123	Nikita Pawar	123	8				
99	Siddhi Sonawane	99	AB	124	Sakshi Salunkhe	124	8				
100	Vaishnavi Sutar	100	6	125	Devyani Salve	125	9				

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Analysis of Training on calibration of instruments (2022-23) [Theory]

Sr. No.	Subject Code	Name of Subject	Theory / Practical	Marks Obtained Lowest	Marks Obtained Highest	No. of Student appeared	No. of Student pass	% Pass (Out of Total Students)	% Pass (Out of Present Students)	% of Student Above 60%
1		Training on calibration of instruments	Theory	5	9	103	103	81.10	100.00	73.23

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17. Lecture series on Pharmaceutical Design of Software (DOE)

Syllabus


NOTICE

Date: 20/02/2023


All the faculty members and students (B.Pharm, M Pharm and PhD) are informed that, college has organized lecture series on **Pharmaceutical Design of Experiments (DoE)**.

Detail Schedule of the same is as given below:

Session	Date	Duration	Topic
1	28 th February 2023 (Tuesday)	3 h	Introduction to DoE
2	3 rd March 2023 (Friday)	3 h	Introduction to Statistics and Statistical Tests
3	11 th March 2023 (Saturday)	3 h	Hands-on Session on Excel
4	11 th March 2023 (Saturday)	(each)	GraphPad Demonstration
5	17 th March 2023 (Friday)	3 h	DoE in context of Quality by Design (QbD)
6	25 th March 2023 (Saturday)	3 h	Factorial Designs
7	25 th March 2023 (Saturday)	(each)	Introduction to DoE Software
8	5 th April 2023 (Wednesday)	3 h	Hands-on Session on DoE Software
9	8 th April 2023 (Saturday)	3 h	RSM Designs with Hands-on Session
10	8 th April 2023 (Saturday)	(each)	Specialized RSM Designs with Hands-on Session


Dr. Vijaya S. Vichare
Co-ordinator




Dr. S.N. Dhole
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Tal.- Haveli, Dist. Pune-412 105

Start typ



List of Students enrolled with Signature

Pharmaceutical Design of Experiment (10 Days)

Roll. No	Name of students	Sign
1	Bhosale Kaveri	
2	Borchate Dhanashri	
3	Deshmukh Maithili	
4	Gaikwad Mayuri	
5	Jankar Nilam	
6	Paturkar Shradha	
7	Shinde Ankita	
8	Thorat Priyanka	
9	Autade Neha	
10	Bedjwalge Rushali	
11	Bhangare Rutuja	
12	Burud Shruti	
13	Huljate Supriya	
14	Kawale Komal	
15	Kharabi Aishwarya	
16	Madane Shivanjali	
17	Markad Karishma	
18	Narhare Harshada	
19	Shrangare Jyoti	
20	Swami Dakshyani	
21	Valecha Simran	
22	Wadhokar Anjali	

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Dr. V. S. Vichare
Co-ordinator



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Assessment and Marksheet

PES Modern College of Pharmacy, (For ladies), Moshi, Pune

Assignment

Subject-Lecture Series on Pharmaceutical Design of Experiments (DoE).

Time- 30 min

Marks-10M

Date- 09/04/2023

Roll No.-

Instructions-All questions are compulsory

Q.1. Multiple Choice Questions

(5M)

- Question: What is the primary objective of the design of experiments (DOE)?
 - To design aesthetically pleasing experiments
 - To minimize the cost of experiments
 - To maximize the efficiency of experiments and gather meaningful data
 - To conduct experiments without any specific plan
- Question: What is a factor in the context of experimental design?
 - The response variable being measured
 - The independent variable manipulated in the experiment
 - The experimental error
 - The participants in the experiment
- Question: In a factorial experiment, how are different levels of each factor combined?
 - By random assignment
 - By using a Latin square design
 - In a systematic sequence
 - In all possible combinations
- Question: What does the term "randomization" mean in the context of experimental design?
 - Assigning treatments in a predetermined order
 - Ensuring that every participant has an equal chance of being in any experimental group
 - Conducting experiments without a clear plan
 - Repeating experiments multiple times
- Question: What is the purpose of a control group in experimental design?
 - To manipulate the independent variable
 - To provide a baseline for comparison and assess the effect of the treatment
 - To introduce bias into the experiment
 - To minimize the number of variables in the experiment

Q.2.Descriptive question

(5M)

Explain the concept of factorial experimental design and its advantages. Provide a detailed example of a factorial design, including the identification of factors, levels, and the interpretation of interaction effects.



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PES Modern College of Pharmacy, (For ladies), Moshi, Pune

Assignment

Subject-Lecture Series on Pharmaceutical Design of Experiments (DoE).

Time- 30 min

Marks-10M

Date- 09/04/2023

Roll No.-

Instructions-All questions are compulsory

Q.1. Multiple Choice Questions

(5M)

- Question: What is the primary objective of the design of experiments (DOE)?
 - To design aesthetically pleasing experiments
 - To minimize the cost of experiments
 - To maximize the efficiency of experiments and gather meaningful data
 - To conduct experiments without any specific plan
- Question: What is a factor in the context of experimental design?
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Explain the concept of factorial experimental design and its advantages. Provide a detailed example of a factorial design, including the identification of factors, levels, and the interpretation of interaction effects.



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Academic Year 2021-22 (Subindex 2)

MOOCS/SWAYAM/NPTEL/ONLINE courses

Sr. No	Name of certificate/value added/online courses	Duration of course	Number of students enrolled in the course
1	Current regulatory requirements for conducting clinical trials in India for investigations new drug (Version 3.0)	8 weeks	1
2	Soft Skills	12 weeks	1
3	Standford introduction to food and health	1-3 months	3
4	Mobile mentoring Programme on work readiness	6 month	1
5	Basics of Intellectual Property rights	2 Months	1
6	Computer aided Drug Design and discovery	3 weeks	1
7	Quality by Design	2 months	1
8	Design and interpretation of clinical trials	1-3months	1
9	Drug Commercialization	1month	1
10	Covid 19 contact tracing	1-3 months	6
11	Introduction to chemistry: reactions and ratios	1-3 months	2
12	Epidemics, pandemics and outbreaks	1-3 months	1
Certificate/Value added courses offered by college (Syllabus, List of enrolled students with signature and assessment)			
13	Executive Diploma in PV and Clinical Research	3 month	8
14	Interview Skills Development and career orientation programme in Pharmacovigilance, Medical coding and clinical research	3 month	12
15	Computer aided Drug Design: Free software installation and molecular docking study	10 days	57
16	Aseptic techniques	1 month	90
Total number of students			187

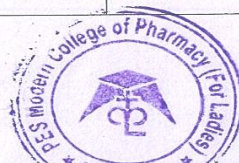


Assessment Procedure



Academic Year 2021-22

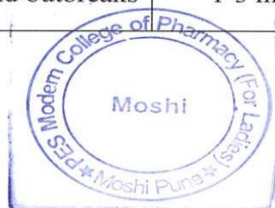
Sr.No	Name of Add on /Certificate programs offered	Assessment procedure
1.	Mobile mentoring Programme on work readiness	Examination (conducted by NPTEL/SWAYAM/MOOC/other online organizations)
2.	Basics of Intellectual Property rights	
3.	Computer aided Drug Design and discovery	
4.	Current regulatory requirements for conducting clinical trials in India for investigations new drug (Version 3.0)	
5.	Soft Skills	
6.	Quality by Design	
7.	Standford introduction to food and health	
8.	Design and interpretation of clinical trials	
9.	Drug Commercialization	
10.	Covid 19 conatct tracing	
11.	Introduction to chemistry :reactions and ratios	
12.	Epidemics, pandemics and outbreaks	
13.	Executive Diploma in PV and Clinical Research	Aptitude test
14.	Interview Skills Development and career orientation programme in Pharmacovigilance , Medical coding and clinical research	Aptitude Test, mock interview
15.	Computer aided Drug Design: Free software installation and molecular docking study	MCQ and descriptive based examination
16.	Aseptic techniques	MCQ based examination



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**PES MODERN COLLEGE OF PHARMACY (for ladies) Moshi Pune****List of students completed MOOCS/SWAYAM/NPTEL /ONLINE courses
Academic year 2021-22**

Sr. No	Name of Add on /Certificate programs offered	Duration of course	Name of the students	Sign of students
1.	Mobile mentoring Programme on work readiness	6 month	Samiksha Thorat	
2.	Basics of Intellectual Property rights	2 Months	Monika Kute	
3.	Computer aided Drug Design and discovery	3 weeks	Asha Chavan	
4.	Current regulatory requirements for conducting clinical trials in India for investigations new drug (Version 3.0)	8 weeks	Ashwini Palwe	
5.	Soft Skills	12 weeks	Durga Pote	
6.	Quality by Design	2 months	Sayali Shelar	
7.	Standford introduction to food and health	1-3 months	Vaishnavi Sukre	
			Pooja Pharate	
			Aditi Lakade	
8.	Design and interpretation of clinical trials	1-3months	Mayuri Pandit	
9.	Drug Commercialization	1month	Sanskruti Khedkar	
10.	Covid 19 contact tracing	1-3 months	Shrutika Harale	
			Anjalee Gite	
			Swapnali Zadke	
			Aishwrya Todkar	
			Muskan Shah	
			Ambika Khalure	
11.	Introduction to chemistry :reactions and ratios	1-3 months	Juveria Momin	
			Akansha Shinde	
12.	Epidemics, pandemics and outbreaks	1-3 months	Rutuja Yadav	



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Sr. No.	Name of MOOCS/SWAYAM/NPTEL/ONLINE courses	Link to Syllabus
1	Current regulatory requirements for conducting clinical trials in India for investigations new drug (Version 3.0)	Current regulatory requirements for conducting clinical trials in India for investigational new drugs/new drug (Version 3.0) - Course (nptel.ac.in)
2	Soft Skills	https://onlinecourses.nptel.ac.in/noc24_hs15/preview
3	Standford introduction to food and health	https://www.mooc-list.com/course/stanford-introduction-food-and-health-coursera

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4.Mobile mentoring Programme on work readiness

Syllabus

Program Steps



Step 01: Download & Sing up

Android Google Playstore
bit.ly/mentortogo
or
use our web app
bit.ly/mentortogoweb

Sign up as a MENTEE.
Institution code, use this:
R9PN8W



Step 02: Complete 6 self-learning sessions on our learning hub.

These are fun interactive sessions that will teach you different skills. They will take you about 20 minutes per session. You need to do these sessions to become eligible for an industry mentor



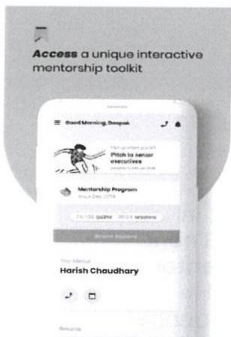
Step 03: Discuss with our team member

Once you finish your self-learning, our team member will call you and speak to you about your application and mentoring needs.



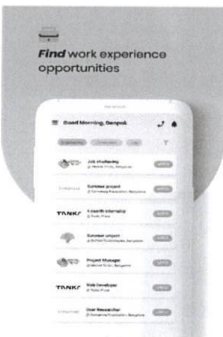
Step 04: Get matched to an industry mentor

Our matching algorithm will then find a match for you amongst our industry mentors. We have mentors from a range of companies - Cisco, HP, Wipro, Cognizant, LinkedIn and many others!



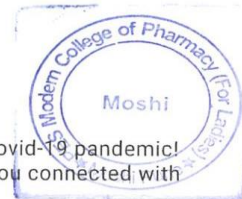
Step 05: Complete mentorship using our toolkit

Once you get your mentor, you can do a range of discussions and calls with your mentor. You will have our work readiness sessions that will also help you do activities together to make you work ready



Step 06: Apply for work experience opportunities

Once you complete 10 work readiness sessions you will be able to apply for work experience opportunities and projects through our mentor network



We hope this is a useful experience for you in these tough times of the covid-19 pandemic! While we all have to physically distanced, the Mentor To Go app can be you connected with your peers and mentors across the country!

For any queries, please feel free to reach out to us at m2g@mentortogogether.org

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The Mentor To Go Work Readiness Mentorship App

Mentor To Go is an Android & web-based mentoring platform where you can **learn work readiness skills**, find a **unique mentoring match**, access and complete an **interactive mentoring curriculum**, and **network with a wide community of mentors and mentees** across the country.

All you need to commit to is 4 hours a month for atleast 6 months. The program is offered free of cost!

Sign-up as a mentee on the Android app : bit.ly/mentortogo
Or web app : bit.ly/mentortogoweb

When asked for the institution code, use this: **R9PN8W**



Listen to experiences of students like you in the program



Mentee Pranavi, an Engineering student in Bangalore says, "I got a perfect match. There are so many similarities between my mentor and myself. He communicates so well. He shares many new things about his experience at work which I am not aware of."

Read on to learn more about the program



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Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

5. Basics of Intellectual Property rights



CERTIFICATE

This certificate is awarded to

Ms. Monika Raju Kute
PES Modern College Of Pharmacy, (For Ladies), Moshi, Pune

on successful completion of two months course on "Basics of
Intellectual Property Rights" held from May 2021 to June 2021.



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Mrs. Sonali R. Chintamani



Ms. Madhuvanti M. Kelkar



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6. Computer aided Drug Design and discovery

2021
Certificate
Serial No : TE0IUCVO





CERTIFICATE OF PARTICIPATION

This is to certify that

Asha Vilas Chavan

has completed 3 Weeks Online certification program on

Computer aided drug design & discovery

Organised by Learntougrade recognized by DBT & NSDC

Issued On: 10th December 2021



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Hardeep Singh Puri
Director
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7. Quality by Design



In association with

CERTIFICATE OF TRAINING

This is to certify that

DR./MR./MRS./MS. **Sayali Tukaram Shelar**

has successfully completed Training on
Quality by design (QBD)

The training was conducted between 22th August 2021 and 25th September 2021

DATE : 9th October 2021



MANAGING DIRECTOR



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8. Design and interpretation of clinical trials



Johns Hopkins University

Design and Interpretation of Clinical Trials

★ 4.7 (4.2k reviews)

Mixed · Course · 1 - 3 Months



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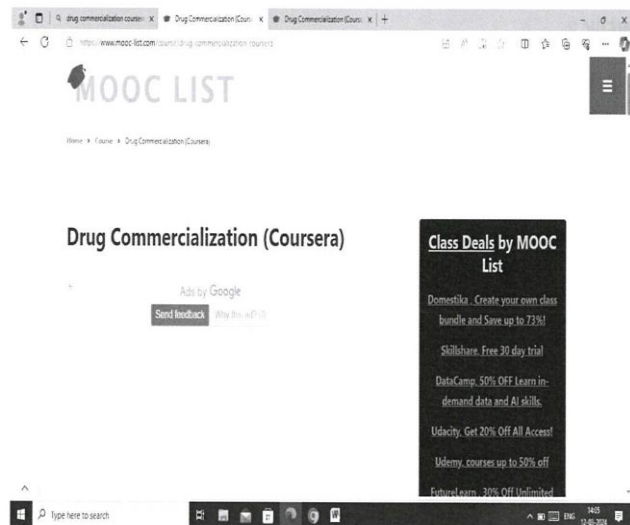
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9. Drug Commercialization



Syllabus

WEEK 1

Welcome!

Pharmacoeconomics in Drug Development, Jan Hirsch, Ph.D.

Intellectual Property Strategy & BioSimilar, Williams Ettouati, Pharm.D.



WEEK 2

Marketing Pharmaceuticals & Biotechnology Drugs, Williams Ettouati, Pharm.D.

Managed Markets and Sales Strategy, Doral Fredericks, Pharm.D., MBA

WEEK 3

Strategic Alliances in Academia, Pharma and Biotech, Williams Ettouati, Pharm. D.

Business Models and Portfolio Management

Catherine Godrecka-Bareau, CFADirector Strategy & Portfolio Management, Biosimilars, Merck

WEEK 4

Academic Industry partnership "Various models, Various outcomes", RemiBrouard, M.D.

From Start up to Success in Biotech, Barry Quart, Pharm.D.



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10.Covid-19 contact tracing

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Subject

Computer Science

Data Science

Health

Skills

Collaboration

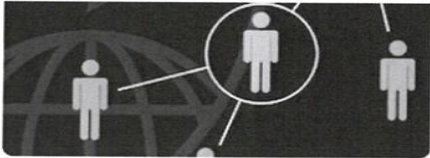
Communication

Critical Thinking

Data Analysis

[Show more](#)

Level



Johns Hopkins University Johns Hopkins University

COVID-19 Contact Tracing

Skills you'll gain: Communication, Epidemiology

★ **4.9** (94.9k reviews)

Beginner · Course · 1 - 3 Months



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11. Introduction to chemistry: reactions and ratios

Duke UNIVERSITY

Oct 7, 2023

JUVERIYA MOMIN

has successfully completed

Introduction to Chemistry: Reactions and Ratios

an online non-credit course authorized by Duke University and offered through Coursera

Dorian Canelas
Professor Dorian Canelas
Department of Chemistry
Duke University

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Feb 3, 2022

Akanksha Madhav Shinde

has successfully completed

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Dorian Canelas
Professor Dorian Canelas
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12. Epidemics, pandemics and outbreaks



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13. Executive Diploma in PV and Clinical Research Syllabus

StepUp Pharma

Course Structure

Sr. No.	Topic
1	Introduction to clinical trials
2	Clinical trial design and outcome, Types of clinical trial
3	Phases of clinical trial
4	Drug development process
5	key players in clinical research
6	key players in clinical research
7	Terminology in clinical trial
8	Regulatory authorities in clinical trial
9	Regulatory authorities in clinical trial
10	End point of clinical trial
11	Documents, objective, purpose, list of documents required before starting trial, during trial, completion of trial
12	Inform consent form
13	Investigators brochure
14	Protocol
15	Case report form
16	Pharmacovigilance
17	Introduction basic terminology, need, aims
18	Safety specification
19	Pharmacovigilance plan
20	Pharmacovigilance method
21	Pharmacovigilance method
22	Adverse drug reaction monitoring in india
23	Adverse drug reaction monitoring in india
24	Schedule -Y
25	Appendix of schedule Y
26	Data management
27	Electrical data capture principles
28	Database validation programming and standard
29	Assuring data quality
30	Data entry and data processing



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COURSE STRUCTURE

EXECUTIVE DIPLOMA IN CLINICAL RESEARCH AND PHARMACOVIGILANCE

➤ **Module 1: Pharmacovigilance at glance**

Definition of pharmacovigilance ◊ History of pharmacovigilance ◊ Operational definitions (serious, non-serious, expected, unexpected) ◊ Classification of ADRs ◊ Basic causality assessment ◊ Characteristics of different systems of reporting ◊ Strengths ◊ Weaknesses ◊ Definitions Medication errors, off-label, overdose, misuse

➤ **Module 2: Pre-marketing safety monitoring and evaluation**

Principles of risk benefit safety assessment within a clinical development plan ◊ Preclinical safety assessment ◊ Phase I ◊ Phase II ◊ Phase III. ADR reporting rules ◊ Clinical trials directive requirements ◊ US PDUFA III aspects of safety monitoring ◊ High mortality clinical trials ◊ DSMBs ◊ DCSIs and the concept of expectedness

➤ **Module 3: Ethics and transparency in pharmacovigilance**

To consider relevant ethical principles from an individual and societal point of view and outline the available ethical safeguards. To provide an understanding of main issues relating to transparency in pharmacovigilance i.e. availability of data and information about processes, and conflicts of interest

➤ **Module 4: Regulatory aspect of pharmacovigilance**

Review of the structure of ICH and how guidelines are developed (ICHE2BM, ICH E2C (PSURs/PBRERs), ICHE6 (GCP), ICHE3 (reporting standards)) ◊ CIOMS – outlines of:



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I, II and V (spontaneous reporting, CCSI, DCSI); IV (risk benefit assessment) and VI (clinical trials) ◊ Aggregate reports PSURs/PBRERs/DSURs ◊ PILs

➤ **Module 5: Signal detection and Software handling**

Handling of signals in Pharmaceutical Companies ◊ Pre-licensing vs post-licensing issues
◊ Systems and software for detecting signals ◊ Regulatory interactions ◊ Interface between signals and risk-management strategies ◊ Coding systems for drug safety

➤ **Module 6: Pharmacovigilance – premarketing and postmarketing**

New clinical trial regulation ◊ Clinical trials Directive ◊ FDA (roles and responsibilities of therapeutic diagnoses, epidemiology group, Medwatch and AERS) ◊ FDA guidelines, points to consider and PDUFA III. Provide an understanding of the legal principles of pharmacovigilance and the enactment of European / US legislation directly for pharmaceuticals. ◊ Legal basis of pharmacovigilance ◊ Roles of MHRA, CHM, EMA, CHMP, PRAC ◊ Relevant Guidelines 0945 - 1045

➤ **Reviewing and Understanding Clinical Papers**

➤ **Assessment and Medical Evaluation of Individual Case Reports**

➤ **Risk Benefit Assessment in Pharmacovigilance**

➤ **Medical Coding of Adverse Drug Reactions (MEDRA)**



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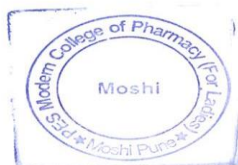
Academic year 2021-22

List of students completed

StepUp Pharma

Executive Diploma in PV and Clinical Research

Sr.No.	Name of Student	Sign of Students
1.	Siddhi Ghosalkar	
2.	Payal Maravade	
3.	Snehal Gaikwad	
4.	Shruti Asawale	
5.	Parnika Rajput	
6.	Piyusha Pawar	
7.	Anuja Patil	
8.	Sayali Pawar	



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une

14. Interview Skills Development and career orientation programme in Pharmacovigilance, Medical coding and clinical research

Syllabus




Royal Academy of Career Excellence

Commitment toward 100 % Placement is our identity

REREGISTRATION NO: 2010200313903317

Job oriented certification and training course for PV, MC, CR and other pharmaceutical fields.

Lecture Schedule		
Sr No.	Lecture 1	Lecture 2
1	Introduction To Race Team	Medical Coding 1 By Guest Lecturer
2	Pharmacovigilance 1 By Guest Lecturer	Basic Of Interview 1 By Guest Lecturer
3	Pharmacovigilance 2 By Guest Lecturer	Resume Writing By Guest Lecturer
4	Pharmacovigilance 3 By Guest Lecturer	Medical Coding 2 By Guest Lecturer
5	Aptitude 1 By Guest Lecturer	Interview Skills And Etiquette's By Guest Lecturer
6	Clinical Research 1 By Guest Lecturer	Aptitude 2 By Guest Lecturer
7	Clinical Research 2 By Guest Lecturer	Medical Coding 3 By Guest Lecturer
8	How To Search Job Online And Offline By Guest lecturer	Aptitude 3 By Guest Lecturer
9	Interview Skills 2 By Guest Lecturer	Aptitude 4 By Guest Lecturer
10	Clinical Research 3 By Guest Lecturer	HEOR (Health Economic Outcome Source) By Guest lecturer
11	Pharmacovigilance 4 By Guest Lecturer	Aptitude 5 By Guest Lecturer
12	Interview Skills And Etiquette's By Guest Lecturer	Medical Coding 3 By Guest Lecturer
13	Aptitude test	Mock interview



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Pharma Training & Placement Institute

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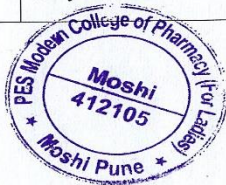
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14. Interview Skills Development and career orientation programme in Pharmacovigilance , Medical coding and clinical reaserch

Sr. No	Name of student	Sign of student
1.	Shubhada Chavan	S.Chavan..
2.	Akshata Giri	Akshata
3.	Mayuri Bhosale	MBhosale
4.	Raksha Amle	Raksha
5.	Komal Patil	Komal
6.	Apurva Kate	Apurva
7.	Pooja Kamalu	Pooja
8.	Jinakumari Sirvi	Jinakumari
9.	Priyanka Dumbre	Priyanka
10.	Shraddha Bhagwat	Shraddha
11.	Rajashri Karkhile	Rajashri
12.	Divya Naik	Divya Naik




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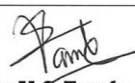
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15. Computer aided Drug Design: Free software installation and molecular docking study

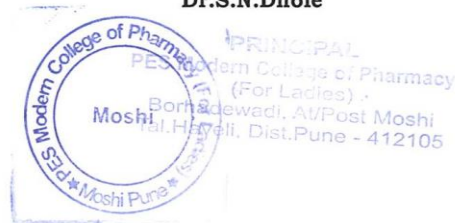
Syllabus of Computer aided drug design: Free software installation and molecular docking study.

Sr.No	Topic	Duration
1.	Day 1: Introduction to Homology Modelling.	3Hrs
2.	Day 2: Software Installation	3Hrs
3.	Day 3: Software Installation- training	3 Hrs
4.	Day 4: Study of validation of receptors by using ProcheckRamchandran Plot etc.	3Hrs
5.	Day 5: Energy minimization	3Hrs
6.	Day 6: pyrx software	3Hrs
7.	Day 7: pyrx software	3Hrs
8.	Day 8: Training	3 Hrs
9.	Day 9: Discovery studio	3Hrs
10.	Day 10: Problem learning Test	3 Hrs
Total Hrs		30 Hrs


Mrs.Prajakta Kothawade
Programme coordinator


Dr.V.S.Tambe
IQAC Co-ordinator


Dr.S.N.Dhole



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Syllabus Content:

Day 1: Introduction to Homology Modelling.

- Introduction to Homology modelling and free softwares used for Homology modelling like Swiss Model server, Uniport database etc.
- Introduction to databases like Pubchem database and Pdbsum database.

Day 2: Software Installation

- Study of free softwares installation like Pyrx, Discovery studio, Swiss modeler, Uniprot database etc.

Day 3: Software Installation, training

Day 4: Study of validation of receptors by using Procheck, Ramchandran Plot etc.

- The protein model was then subjected to stereochemical validation using PROCHECK, PROSA Web server and SAVES were employed to select a high-quality model for docking studies.
- Ramachandran plot was generated for the model to visualize energetically allowed regions for backbone ψ (psi) and ϕ (phi) dihedral angles of amino acid residues.

Day 5: Energy minimization

- Study of Avogadro software for energy minimization.

Day 6&7:pyrx software

- Step by step study of Pyrex software,

Day 8: Training

Day 9: Discovery studio

- Study of Discovery studio software for visualization of molecular docking results and also for preparation of receptors.

Day 10:Problem learning, Test


Mrs. Prayakta Kothawade



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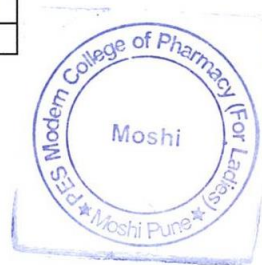
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(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

Computer Aided Drug Design: Free software installation and molecular docking study (10 Days)

Roll. No	Name of students	Sign
1	Alhat Shwetalil Ulhas	<i>Shwetal</i>
2	Amle Raksha Sanjeev	<i>Raksha</i>
3	Asawale Shruti Sanjay	<i>Shruti</i>
4	Bhagwat Shraddha H	<i>Bhagwat</i>
5	Bhosale Mayuri Kisanrao	<i>Mayuri</i>
6	Bomshete Pooja Rauji	<i>Pooja</i>
7	Borude Snehal Tukaram	<i>Borude</i>
8	Chavan Anjali Vitthal	<i>Anjan</i>
9	Chavan Asha Vilas	<i>Asha</i>
10	Chavan Shubhada B	<i>Shubhada</i>
11	Deokar Nikita Dhanaji	<i>Nikita</i>
12	Dumbare Priyanka Raju	<i>Priyanka</i>
13	Ganje Neha Arun	<i>Neha</i>
14	Gaikwad Snehal S	<i>Snehal</i>
15	Gawade Rutuja Sanjay	<i>Rutuja</i>
16	Ghosalkar Siddhi R	<i>Siddhi</i>
17	Ghule Sakshi D	<i>Sakshi</i>
18	Giri Akshata Dhanraj	<i>Giri</i>
19	Gite Anjalee Ajinath	<i>Anjalee</i>
20	Gunjal Shrutika Balasaheb	<i>Gunjal</i>
21	Harale Shrutika S	<i>Harale</i>
22	Jadhav Pranita Pramod	<i>Jadhav</i>
23	Jadhav Vaishanvi R	<i>Vaishanvi</i>
24	Kamalu Pooja Ganeshsa	<i>Kamalu</i>
25	Kamble Shraddha Sampat	<i>Shraddha</i>
26	Kadam Aishawarya D	<i>Kadam</i>
27	Kamate Snehal A	<i>Snehal</i>
28	Karad Pallavi G	<i>Karad</i>
29	Karkhile Rajashri R	<i>Karkhile</i>
30	Karpe Shrutika S	<i>Karpe</i>
31	Kate Apurva H	<i>Kate</i>
32	Khade Supriya M	<i>Khade</i>
33	Khair Bhagyashree S	<i>Khair</i>
34	Khedkar Sanskruti V	<i>Khedkar</i>
35	Khot Gauri S	<i>Gauri</i>

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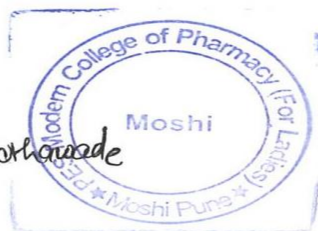
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36	Kute Monika R	R Monika
37	Lakade Aditi A	Aditi
38	Maravade Payal S	Maravade
39	Momin Juveriya A	Juveriya
40	Mungase Yashda A	Yashda
41	Naik Divya S	Naik
42	Pachpor Samridhhi S	Samridhhi
43	Palwe Ashwini Ishwar	Ashwini
44	Pandit Mayuri P	Mayuri
45	Patil Anuja Pramod	Anuja
46	Patil Komal Pravin	Komal
47	Pawar Piyusha Vasant	Piyusha
48	Pawar Sayali Pravin	Sayali
49	Pharate Pooja C	Pooja
50	Pote Durga B	Durga
51	Rajput Parnika P	Parnika
52	Sakore Preeti T	Preeti
53	Sante Rohini Umakant	Rohini
54	Shah Muskan A	Muskan
55	Shejul Arti Nanasaheb	Arti
56	Shelar Sayali T	Sayali
57	Shinde Akanksha M	Akanksha

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Assessment and Marksheet

PES Modern College of Pharmacy, (For ladies), Moshi, Pune

Assignment

Subject-Computer Aided Drug Design: Free software installation and molecular docking study

Time- 30 min

Marks-10M

Date-

Roll No.-

Instructions-All questions are compulsory

Q.1. Multiple Choice Questions

(5M)

- Lipinski's rule of five is used for
 - Docking
 - Similarity search
 - Drug likeness
 - Dynamics simulation
- The computational methodology that tries to find the best matching between two molecules, a receptor and ligand are called _____.
 - Molecular fitting
 - Molecular matching
 - Molecular docking
 - Molecule affinity checking
- Which of the following software programs is used for drawing 2D chemical structures?
 - ChemDraw
 - Swiss Modeller
 - Chem3D
 - Autodock
- In docking protein was corrected via removal of water molecules and addition of native hydrogen
 - To maintain stability of protein structure
 - To change conformation of drug
 - To make protein more lipophilic
 - To avoid confusion in docking
- QSAR is the
 - Structure Based Drug Design
 - Denovo Design
 - Ligand Based Drug Design
 - All options are correct

Q.2.Descriptive question

Explain Steps involved in Molecular Docking.

(5M)



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Stream: B. Pharmacy

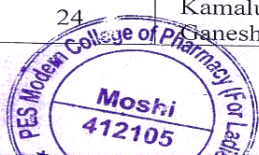
Subject: Computer Aided Drug Design :Free Software installation
and Molecular docking study

Academic Year: 2021-22

Date: 2021-10-30

Marksheet

Sr.No	Roll Number	Name of student	Score (Out of 10)
1	1	Alhat Shwetali Ulhas	7
2	2	Amle Raksha Sanjeev	8
3	3	Asawale Shruti Sanjay	5
4	4	Bhagwat Shraddha H	7
5	5	Bhosale Mayuri Kisanrao	5
6	6	Bomshete Pooja Rauji	7
7	7	Borude Snehal Tukaram	7
8	8	Chavan Anjali Vitthal	6
9	9	Chavan Asha Vilas	6
10	10	Chavan Shubhada B	7
11	11	Deokar Nikita Dhanaji	7
12	12	Dumbare Priyanka Raju	8
13	13	Ganje Neha Arun	8
14	14	Gaikwad Snehal S	3
15	15	Gawade Rutuja Sanjay	8
16	16	Ghosalkar Siddhi R	8
17	17	Ghule Sakshi D	7
18	18	Giri Akshata Dhanraj	6
19	19	Gite Anjalee Ajinath	8
20	20	Gunjal Shrutika Balasaheb	7
21	21	Harale Shrutika S	5
22	22	Jadhav Pranita Pramod	6
23	23	Jadhav Vaishanvi R	5
24	24	Kamalu Pooja Saneshsa	9



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PES Modern College of Pharmacy (for Ladies),Moshi,Pune

Stream: B. Pharmacy

Subject: Computer Aided Drug Design :Free Software installation
and Molecular docking study

Academic Year: 2021-22

Date: 2021-10-30

25	25	Kamble Shraddha Sampat	5
26	26	Kadam AishawaryaD	7
27	27	Kamate Snehal A	6
28	28	Karad Pallavi G	6
29	29	Karkhile Rajashri R	6
30	30	Karpe Shrutika S	5
31	31	Kate Apurva H	7
32	32	Khade Supriya M	5
33	33	Khaire BhagyashreeS	5
34	34	Khedkar Sanskruti V	5
35	35	Khot Gauri S	5
36	36	Kute Monika R	8
37	37	Lakade Aditi A	9
38	38	Maravade Payal S	7
39	39	Momin Juveriya A	8
40	40	Mungase Yashda A	5
41	41	Naik Divya S	7
42	42	Pachpor Samriddhi S	5
43	43	Palwe Ashwini Ishwar	7
44	44	Pandit Mayuri P	7
45	45	Patil Anuja Pramod	6
46	46	Patil Komal Pravin	6
47	47	Pawar Piyusha Vasant	7
48	48	Pawar Sayali Pravin	5
49	49	Pharate Pooja C	5
50	50	Pote Durga B	8
51	51	Rajput Parnika P	5
52	52	Sakore Preeti T	8
53	53	Sante Rohini Umakant	5

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54	54	Shah Muskan A	5
55	55	Shejul Arti Nanasaheb	7
56	56	Shelar Sayali T	7
57	57	Shinde Akanksha M	8

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16. Aseptic technique

Syllabus

Date: 26/7/2021


NOTICE


All the faculty members and students of S.Y.B.Pharm are hereby informed that, college has organized one month training course on **Aseptic techniques** in the month of Aug-Sept 2021.


Note- This training is conducted by online mode

Details of course content are as follows:

Session	Topic	Duration
1	Introduction to aseptic techniques	4Hrs
2	Introduction to sterilization techniques and equipment	4Hrs
3	Online training on sterilization of glassware and workplace	4Hrs
4	Demonstrations on preparation and sterilization of bacteriological media	4Hrs
5	Demonstration on aseptically transfer of microbiological cultures on different medias	4Hrs
6	Disposal methods of biohazardous waste material	4Hrs
7	Online information about Aseptic Room and Laminar air flow and Test	6Hrs
Total Hrs		30 Hrs


Mrs. Sneha K. Patil
Co-ordinator


Dr. V.S. Tambe
IQAC Co-ordinator


Dr. S.N. Dhole
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Detail Syllabus

Topic 1-Introduction to aseptic techniques

- Terminologies used in aseptic techniques and sterilization like pure culture, inoculum, media, contamination, sterilization, aseptic techniques etc.
- Need of aseptic techniques
- Practices included in aseptic technique
- General Procedure and precautions taken during growth of microorganisms and inoculating media aseptically

Topic 2- Introduction to sterilization techniques and equipment

- Terminologies related with sterilization, types of sterilization techniques
- Equipment used in sterilization
- Introduction to working, mechanism of sterilization and precautions taken during the handling of equipment by giving demonstration on it.

Topic 3-Online training on sterilization of glassware and workplace

- Introduction to glassware used in the laboratories
- Cleaning of Glassware, Sterilization of Glassware- techniques for sterilization
- Maintenance of sterility of glassware
- Sterilization of workplace and area

Topic 4- Demonstrations on preparation and sterilization of bacteriological media

- Introduction to growth media and its types
- Introduction to available medias and its uses
- Preparation of media, precaution taking during and after weighing of ingredients/media
- Demonstration on packaging of glassware and prepared media for sterilization, demo on autoclaving process
- Demonstration on preparation of agar plates, slants and slabs for culturing microorganism.
- Storage of sterile plates, slants and slabs

Topic 5- Demonstrations on preparation and sterilization of bacteriological media

- Procedure for aseptically transferring microorganisms
- Demonstration on-
 - Transferring the inoculum into a broth tube
 - Transferring the inoculum into a petri plate
- Forms of culture media
- Physicochemical requirements for microbial growth
- To study Colony Morphology and Pigmentation after growth of microorganism



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Topic 6- Disposal methods of biohazardous waste material

- Introduction to different ways to dispose biohazardous waste like-
Incineration, Autoclaving, Chemical disinfection, Encapsulation
- Safety guidelines during handling of biohazardous waste

Topic 7- Online information about Aseptic Room and Laminar air flow and

Test



Folwkte
Mrs. sneha patil

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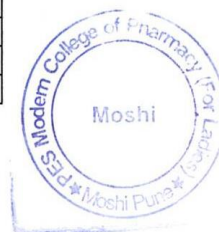
List of Students Enrolled with Signature

Aseptic technique (7 Days) (1 month)

Roll. No	Name of students	Sign
1	Gayatri Aade	Grade
2	Adalinge Bhagyashri	Bhagyashri
3	Shraddha Adhav	Shraddha
4	Rucha Akanikar	Rucha
5	Rutuja Ankushe	Rutuja
6	Akansha Arekar	Akansha
7	Misba Attar	Misba
8	Varsha Bangar	Varsha
9	Pratiksha Bhandarkar	Pratiksha
10	Nandini Bhavsar	Nandini
11	Varsha Bhilare	Varsha
12	Akshata Bhor	Akshata
13	Sayali Bhor	Sayali
14	Aishwarya Bhole	Aishwarya
15	Mrunmayi Bhosale	Mrunmayi
16	Manaswi Bhurkud	Manaswi
17	Bushra Bagwan	Bushra
18	Priya Chauhan	Priya
19	Aishwarya Choudhari	Aishwarya
20	Ashwini Dafal	Ashwini
21	Anushka Deokar	Anushka
22	Sakshi Devsatwar	Sakshi
23	Aditi Dhanawade	Aditi
24	Nikita Dhanawate	Nikita
25	Dhanshri Dhawale	Dhanshri
26	Ritika Dhonge	Ritika
27	Sanika Dhore	Sanika
28	Shital Dindewad	Shital
29	Akanksha Doiphode	Akanksha
30	Harshada Dolare	Harshada
31	Sakshi Gade	Sakshi
32	Nikita Gadhawe	Nikita
33	Vaibhavi Gandhi	Vaibhavi
34	Shweta Gatkal	Shweta
35	Anjali Gautam	Anjali
36	Arati Gavali	Arati

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37	Pranali Gavate	<i>Pranali Gavate</i>
38	Harshada Gaware	<i>Harshada Gaware</i>
39	Priti Ghenand	<i>Priti Ghenand</i>
40	Prachiti Ghodake	<i>Prachiti Ghodake</i>
41	Rutuja Ghundare	<i>Rutuja Ghundare</i>
42	Vedanti Gulhane	<i>Vedanti Gulhane</i>
43	Vaishnavi Gupta	<i>Vaishnavi Gupta</i>
44	Anuja Gurav	<i>Anuja Gurav</i>
45	Sakshi Gurav	<i>Sakshi Gurav</i>
46	Anjali Hande	<i>Anjali Hande</i>
47	Kadambari Hankare	<i>Kadambari Hankare</i>
48	Sakshi Hiwale	<i>Sakshi Hiwale</i>
49	Sakshi Holkunde	<i>Sakshi Holkunde</i>
50	Neha Jadhav	<i>Neha Jadhav</i>
51	Pooja Jadhav	<i>Pooja Jadhav</i>
52	Pallavi Jadhavar	<i>Pallavi Jadhavar</i>
53	Urwashi Jagdale	<i>Urwashi Jagdale</i>
54	Supriya Kadbhane	<i>Supriya Kadbhane</i>
55	Shital Kardile	<i>Shital Kardile</i>
56	Pranjal Katkar	<i>Pranjal Katkar</i>
57	Manisha Kevat	<i>Manisha Kevat</i>
58	Pratiksha Kimbahune	<i>Pratiksha Kimbahune</i>
59	Pratiksha Kothawale	<i>Pratiksha Kothawale</i>
60	Rutika Kshirsagar	<i>Rutika Kshirsagar</i>
61	Vaishnavi Labade	<i>Vaishnavi Labade</i>
62	Pranjal Landge	<i>Pranjal Landge</i>
63	Pranjal Lokhande	<i>Pranjal Lokhande</i>
64	Kalyani Madake	<i>Kalyani Madake</i>
65	Utkarsha Mahajan	<i>Utkarsha Mahajan</i>
66	Gayatri Mahamuni	<i>Gayatri Mahamuni</i>
67	Ashwini Mohite	<i>Ashwini Mohite</i>
68	Sayali More	<i>Sayali More</i>
69	Shravani Mule	<i>Shravani Mule</i>
70	Anushka Nagare	<i>Anushka Nagare</i>
71	Saste Neha	<i>Saste Neha</i>
72	Vaishali Wagh	<i>Vaishali Wagh</i>
73	Srushti Vidhate	<i>Srushti Vidhate</i>
74	Prachi Wadekar	<i>Prachi Wadekar</i>
75	Sakshi Waghmare	<i>Sakshi Waghmare</i>
76	Vaishnavi Waghmare	<i>Vaishnavi Waghmare</i>
77	Tanaya Walse	<i>Tanaya Walse</i>
78	Sejal Walunj	<i>Sejal Walunj</i>
79	Bhakare Mayuri	<i>Bhakare Mayuri</i>
80	Bhangale Vrushaji	<i>Bhangale Vrushaji</i>
81	BijjaSampada	<i>BijjaSampada</i>
82	Borate Nikita	<i>Borate Nikita</i>
83	Choudhary Payal	<i>Choudhary Payal</i>

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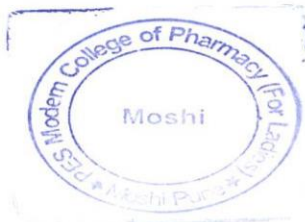
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84	Date varsha	Vassha
85	Gavle Shruti	Shruti
86	Jadhav Jyoti	Jyoti Jadhav
87	Jaiswal Janhavi	Janhavi
88	KabneAkankasha	Akanksha
89	Manekar Sharayu	Sharayu
90	Mavkar Rutuja	Rutuja

S. Patil
Mrs. Sneha Patil

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Assessment and Marksheet



PES Modern College of Pharmacy (for Ladies), Moshi

B. Pharmacy [2021-22]

Title : ASEPTIC TECHNIQUES (VALUE ADDED COURSE)

Subject : Aseptic techniques (Value Added Course) - Theory

Faculty : Sneha. Patil

Year : Second Year - Third Semester

Date : Sat 16 Oct, 2021

Marks : 10

Duration : 15 Minutes

1] Question : 1.Suitable method for sterilization live surface is _ [Multiple Correct] [1 Marks]

- 1) disinfectant
- 2) antiseptic
- 3) sterilant
- 4) water

Explanation :

2] Question : 2..Which of the following terms is used to describe the time required to kill 90% of the microbes within a sample at a given temperature? [Multiple Correct] [1 Marks]

- 1) D-value
- 2) thermal death point
- 3) thermal death time
- 4) decimal reduction time

Explanation :

Bloom's Level: Understand

3] Question : 3.Identify the temperature and time period commonly used for the hot air oven while sterilizing glassware in the laboratory [Multiple Correct] [1 Marks]

- 1) a) 180 degrees Celcius for 30 mins
- 2) b) 63 degrees Celcius for 30 mins
- 3) c) 121 degrees Celcius for 15 mins
- 4) d) 160 degrees Celcius for 45 mins

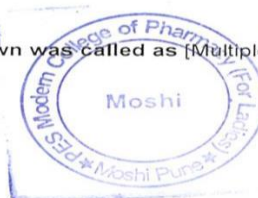
Explanation :

4] Question : 4.The three parameters of steam sterilization are: [Multiple Correct] [1 Marks]

- 1) Steam under pressure, time, and temperature
- 2) Time, temperature, and concentration
- 3) Temperature, time, and humidity

Explanation :

5] Question : 5. A culture medium the exact composition of which is not known was called as [Multiple Correct] [1 Marks]



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- 1) a. Simple
 - 2) b. Complex
 - 3) c. Defined
 - 4) d. Natural
- Explanation :

Bloom's Level: Remember

6] Question : Separation of a single bacterial colony is called [Multiple Correct] [1 Marks]

- 1) a. Isolation
 - 2) b. Separation
 - 3) c. Pure culturing
 - 4) d. All of these
- Explanation :

7] Question : The bacterial culture prepared by pure culture method is [Multiple Correct] [1 Marks]

- 1) a. Inoculum
 - 2) b. Suspension
 - 3) c. Dilution
 - 4) d. None of these
- Explanation :

8] Question : Bacteriological media is sterilized by [Multiple Correct] [1 Marks]

- 1) a. Autoclaving
 - 2) b. Hot air over
 - 3) c. Incineration
 - 4) d. None of these
- Explanation :

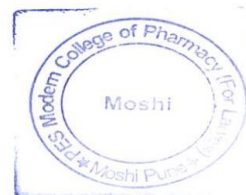
9] Question : Which of the following best describes the process 'Disinfection'? [Multiple Correct] [1 Marks]

- 1) a) The elimination of all forms of microorganisms and bacterial spores
 - 2) b) The elimination of all forms of bacterial spores
 - 3) c) The reduction or elimination of microorganisms and bacterial spores
 - 4) d) The reduction or elimination of many microorganisms and some bacterial spores
- Explanation :

Bloom's Level: Remember

10] Question : All of the following chemical disinfectants used in laboratories and healthcare industries have been found to be effective against many bacteria, fungi, and viruses, Except? [Multiple Correct] [1 Marks]

- 1) a) Alcohols
 - 2) b) Ethylene oxide
 - 3) c) Formaldehyde
 - 4) e) Steam heat
- Explanation :



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Principal

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PES Modern College of Pharmacy (for Ladies), Moshi, Pune

Stream: B. Pharmacy

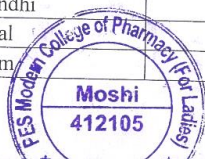
Subject: Aseptic techniques (Value Added Course) - Theory

Academic Year: 2021-22

Date: 2021-10-16

Marksheet

Sr.No	Roll Number	Name of students	Score (Out of 10)
1	1	Gayatri Aade	5
2	2	Adalinge Bhaghyashri	5
3	3	Shraddha Adhav	7
4	4	Rucha Akanikar	7
5	5	Rutuja Ankushe	8
6	6	Akansha Arekar	8
7	7	Misba Attar	5
8	8	Varsha Bangar	7
9	9	Pratiksha Bhandarkar	7
10	10	Nandini Bhavsar	8
11	11	Varsha Bhilare	7
12	12	Akshata Bhor	7
13	13	Sayali Bhor	8
14	14	Aishwarya Bhole	3
15	15	Mrunmayi Bhosale	8
16	16	Manaswi Bhurkud	8
17	17	Bushra Bagwan	7
18	18	Priya Chauhan	6
19	19	Aishwarya Choudhari	8
20	20	Ashwini Dafal	7
21	21	Anushka Deokar	5
22	22	Sakshi Devsatwar	6
23	23	Aditi Dhanawade	5
24	24	Nikita Dhanawate	9
25	25	Dhanshri Dhawale	5
26	26	Ritika Dhonge	7
27	27	Sanika Dhore	6
28	28	Shital Dindewad	6
29	29	Akanksha Doiphode	6
30	30	Harshada Dolare	5
31	31	Sakshi Gade	7
32	32	Nikita Gadhave	5
33	33	Vaibhavi Gandhi	5
34	34	Shweta Gatkal	5
35	35	Anjali Gautam	5



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Date: 2021-10-16

36	36	Arati Gavali	8
37	37	Pranali Gavate	9
38	38	Harshada Gaware	7
39	39	Priti Ghenand	8
40	40	Prachiti Ghodake	5
41	41	Rutuja Ghundare	7
42	42	Vedanti Gulhane	5
43	43	Vaishnavi Gupta	7
44	44	Anuja Gurav	7
45	45	Sakshi Gurav	6
46	46	Anjali Hande	6
47	47	Kadambari Hankare	7
48	48	Sakshi Hiwale	5
49	49	Sakshi Holkunde	5
50	50	Neha Jadhav	8
51	51	Pooja Jadhav	5
52	52	Pallavi Jadhavar	8
53	53	Urwashi Jagdale	6
54	54	Supriya Kadbhane	8
55	55	Shital Kardile	6
56	56	Pranjal Katkar	6
57	57	Manisha Kevat	6
58	58	Pratiksha Kimbahune	6
59	59	Pratiksha Kothawale	7
60	60	Rutika Kshirsagar	5
61	61	Vaishnavi Labade	5
62	62	Pranjal Landge	5
63	63	Pranjal Lokhande	5
64	64	Kalyani Madake	7
65	65	Utkarsha Mahajan	5
66	66	Gayatri Mahamuni	6
67	67	Ashwini Mohite	6
68	68	Sayali More	5
69	69	Shravani Mule	7
70	70	Anushka Nagare	9
71	71	Saste Neha	9

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72	72	Vaishali Wagh	8
73	73	Srushti Vidhate	4
74	74	Prachi Wadekar	8
75	75	Sakshi Waghmare	6
76	76	Vaishnavi Waghmare	6
77	77	Tanaya Walse	6
78	78	Sejal Walunj	8
79	79	Bhakare Mayuri	7
80	80	Bhangale Vrushali	7
81	81	BijjaSampada	5
82	82	Borate Nikita	7
83	83	Choudhary Payal	8
84	84	Date varsha	8
85	85	Gavle Shruti	5
86	86	Jadhav Jyoti	6
87	87	Jaiswal Janhavi	4
88	88	KabneAkankasha	7
89	89	Manekar Sharayu	8
90	90	Mavkar Rutuja	7

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Academic Year 2020-21 (Subindex 3)

**Certificate/Value added courses offered by college
(Syllabus, List of enrolled students with signature and assessment)**

Sr. No	Name of certificate/value added/online courses	Duration of course	Number of students enrolled in the course
1.	Advance Certificate Course in clinical research and medical technology	3 Month	17
2.	Workshop on Graph pad prism software installation and training	15 days	58
3.	Hands on training on autodock software installation and demonstration	15 days	63
Total number of students			138



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Assessment Procedure



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Academic Year 2020-21		
Sr.No	Name of Add on /Certificate programs offered	Assessment procedure
1.	Advance Certificate Course in clinical research and medical technology	Group discussion, Mock interviews
2.	Workshop on Graph pad prism software installation and training	MCQ based examination
3.	Hands on training on autodock software installation and demonstration	MCQ based examination



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1. Advance Certificate Course in clinical research and medical technology

Syllabus

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Business Council P.E. Society, Pune

Annexure 1:
Course outline: Clinical Research Education Program: Advance Certificate Course in
Clinical Research and Medical Technologies
Total Hrs: 60 Hrs

Topic	Allotted hrs
1. Introduction to drug development	1
2. Clinical trial- History, present and future	2
3. Stakeholders of clinical trial, Good clinical practices- ICH GCP, ICMR guidelines, Informed consenting, Clinical trial Monitoring,	4
4. New clinical trial regulations in India, Clinical trial application requirements to CDSCO, EMA and US-FDA	5
5. Medical writing- Development of critical clinical study documents- Investigator brochure, Study protocol, and Clinical study report	6
6. Analysis of clinical trial data and reporting	3
7. Data management- Role and functioning	8
8. Pharmacovigilance- Role and functioning	8
9. Clinical quality assurance- clinical audits and Inspection by regulatory authorities.	5
10. Medical Coding	10
11. Individual Project and evaluation, discussion on observation and learning	5
12. Special training on personality development, verbal and written communication (email writing), tips on resume development.	3

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• Tel. 7276078868 Email.: pharmoshiwomen@

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List of students enrolled with signature

PES MODERN COLLEGE OF PHARMACY (for ladies) MOSHI, PUNE

ADVANCED CERTIFICATE COURSE IN CLINICAL RESEARCH AND MEDICAL TECHNOLOGY

LIST OF STUDENTS

Sr.No.	Name of Student	Signature
1.	Sushama Ture	
2.	Meera Vaidya	
3.	Pallavi Karad	
4.	Mayuri More	
5.	Nikita Deokar	
6.	Kajal Gawade	
7.	Vaishnavi Sudake	
8.	Nikita Chavan	
9.	Anjali Chavan	
10.	Vaishnavi Jadhav	
11.	Jui Bhalekar	
12.	Shraddha Kanade	
13.	Shivani Zarkar	
14.	Rohini Jadhav	
15.	Ankita Thorat	
16.	Snehal Kumbhar	
17.	Kajal Khillari	



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Business Council P.E. Society, Pune

2. Workshop on Graph pad prism software installation and training

SYLLABUS


PES MODERN COLLEGE OF PHARMACY (for ladies) MOSHI, PUNE

WORKSHOP ON GRAPH PAD PRISM SOFTWARE INSTALLATION AND TRAINING

SYLLABUS

Sr. No.	Topic	Hrs
1.	Basics of Statistics (Definition, Applications, sample size, statistical tests of significance etc)	04
2.	Parametric tests (Students T-Test, ANOVA, Correlation coefficient, regression etc)	08
3.	Non-Parametric tests (wilcoxon rank test, Bonferroni test, Dunnet's test, Chi square test etc)	08
4.	Demonstration of Graph Pad Prism features	06
5.	Data Interpretation and Graphical Presentation	04
	TOTAL	30




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List of Students enrolled with signature

PES MODERN COLLEGE OF PHARMACY (for ladies) MOSHI, PUNE WORKSHOP ON GRAPH PAD PRISM SOFTWARE INSTALLATION AND TRAINING

LIST OF STUDENTS

Sr. No	Name Of Student	Sign	Sr. No	Name Of Student	Sign
1.	Anjali	Anjali	31.	Magar Mayuri R	Mayuri R
2.	Arjun Sakshi M	Arjun	32.	Mandale Aishwarya D	Aishwarya D
3.	Auti Pooja M	Pooja	33.	More Pooja S	Pooja S
4.	Bangar Ashwini N	Ashwini	34.	Mundhe Anuja S	Anuja S
5.	Bhagwat Shweta A	Shweta	35.	Pabale Komal D	Komal D
6.	Bhalekar Juee S	Juee S	36.	Panchal Pooja D	Pooja D
7.	Bhilare Nikita A	Nikita	37.	Patil Aparna V	Aparna V
8.	Bhogal Saloni J	Saloni	38.	Pawar Vaishanvi A	Vaishanvi A
9.	Bhojane Pratiksha R	Pratiksha	39.	Pokharkar Priya D	Priya D
10.	Borude Rohini M	Rohini	40.	Rakhunde Ratuja S	Ratuja S
11.	Chaudhari Aditi D	Aditi	41.	Rakshe Ashwini S	Ashwini S
12.	Chaudhari Nikita	Nikita	42.	Rakshe Shrawani E	Shrawani E
13.	Chavan Divya A	Divya	43.	Rashinkar Sneha N	Sneha N
14.	Darandale Varsha K	Varsha	44.	Rode Dipali A	Dipali A
15.	Date Madhuri V	Madhuri	45.	Sable Sayali K	Sayali K
16.	Date Nutan Y	Nutan	46.	Sambar Nikita N	Nikita N
17.	Dupargude Ashwini B	Ashwini	47.	Shinde Snehal M	Snehal M
18.	Fasle Aarti M	Aarti	48.	Sonawane Jayshree	Jayshree
19.	Gargote Pratiksha R	Pratiksha	49.	Shirsat Ashwini	Ashwini
20.	Gawali Prachi M	Prachi	50.	Sudke Vaishanvi D	Vaishanvi D
21.	Ghanekar Shrutika S	Shrutika	51.	Survase Shruti	Shruti
22.	Gunjal Priya S	Priya	52.	Swami Pradnya S	Pradnya S
23.	Ichake Aishawarya H	Aishawarya	53.	Thorat Ankita V	Ankita V
24.	Jadhav Sakshi S	Sakshi	54.	Totre Akshada G	Akshada G
25.	Kad Pratiksha K	Pratiksha	55.	Umate Rutuja Y	Rutuja Y
26.	Kaloke Priya R	Priya	56.	Yadav Simran M	Simran M
27.	Kalse Pratiksha R	Pratiksha	57.	Zarkar Shivani S	Shivani S
28.	Kamble Pranita P	Pranita	58.	Zaware Pallavi V	Pallavi V
29.	Kokate Priyanka M	Priyanka			
30.	Magar Geetanjali R	Geetanjali			



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Assessment and Marksheet

PES Modern College of Pharmacy (For Ladies), Moshi, Pune

Online Test-
Workshop on Graph pad prism software installation and training
Date-03/07/2020
Marks- 10 M
Time- 15 min

pesmcpmoshi2004@gmail.com Switch account

* Indicates required question

Email *

Your email

Name of student *

Your answer

Roll No *

Your answer

1. What type of software is GraphPad Prism? *

1 point

- A) Image Editing Software
- B) Statistical Analysis Software
- C) Video Editing Software
- D) Web Design Software



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2. Which file format is commonly used for saving GraphPad Prism projects? * 1 point

- A) .docx
- B) .xlsx
- C) .ppt
- D) .pzfx

3. In GraphPad Prism, what does the term "data table" refer to? * 1 point

- A) A spreadsheet for organizing data
- B) A graph or chart
- C) An image editing tool
- D) A text document

4. What is the purpose of the "t-test" in GraphPad Prism? * 1 point

- A) Image manipulation
- B) Statistical comparison of two groups
- C) Video editing
- D) Web development

5. Which menu in GraphPad Prism allows you to customize the appearance of graphs? * 1 point

- A) File
- B) Edit
- C) Format
- D) Tools



<https://docs.google.com/forms/d/e/1FAIpQLScF-57YbTLMQ8BKRRkro4nJPFxAT4Y-H4dudR4BK9h9pqbxqQ/viewform>

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6. What does the "ANOVA" test in GraphPad Prism analyze? *

1 point

- A) Association between two variables
- B) Differences among three or more groups
- C) Time series data
- D) Textual data analysis

7. What is the purpose of the "Fit" menu in GraphPad Prism? *

1 point

- A) Adjusting image resolution
- B) Fitting mathematical models to data
- C) Formatting text
- D) Editing videos

8. How can you add error bars to a graph in GraphPad Prism? *

1 point

- A) Right-click on the graph and select "Add Error Bars"
- B) Use the "Format" menu
- C) Drag and drop from the data table
- D) Error bars cannot be added in GraphPad Prism

9. Which statistical test is appropriate for comparing means between two groups in GraphPad Prism? *

1 point

- A) ANOVA
- B) Chi-square test
- C) t-test
- D) Regression analysis





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10. What is the purpose of the "Grouped" analysis in GraphPad Prism? * 1 point

- A) Combining multiple projects into a group
- B) Comparing groups of data
- C) Grouping files in a folder
- D) Creating group chat for collaboration

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Title: Workshop on Graph pad prism software installation and training

Academic Year: 2020-21 Year: Final Year

Marks: 10 Date: 2020-07-03

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1	2020/07/03 4:42:37 PM GMT+5:30	pujaauti321@gmail.com	8.00/0	Pooja Auti
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2. Hands on training on autodock software installation and demonstration

Syllabus

Syllabus

Day 1 : Introduction to free Softwares used for molecular docking.

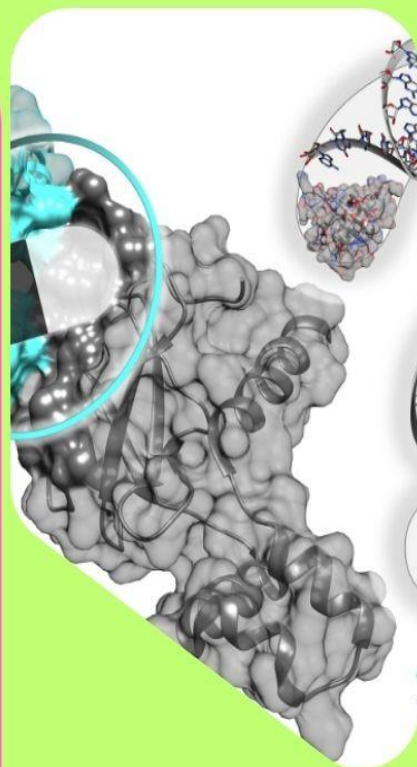
Day 2: Installation of free softwares like chemdraw, chem sketch, Pymol.

Day 3: Conversion of SDF file to MOL/PDB file by using pymol software.

Day 4: Study of Avogadro software for Energy minimization.

Day 5 & 6 : Study of molecular Docking by using Auto dock Vina free software.

Day 7: Visualization of molecular docking results in discovery studio and pymol software.



**JUL-AUG
2020**

**HANDS ON TRAINING ON AUTO DOCK SOFTWARE
INSTALLATION AND DEMONSTRATION**

Co-Ordinator: Mr. M. K. MUNDE



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List of students enrolled with Signature

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Hands on training on Autodesk software installation and demonstration

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12	Ganje Neha Arun	<i>Ganje</i>	33	Khair Bhagyashree	<i>Khair</i>	54	Shejul Arti	<i>Shejul</i>
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19	Gunjal Shrutika	<i>Gunjal</i>	40	Mungase Yashda	<i>Mungase</i>	61	Yadav Rutuja H	<i>Yadav</i>
20	Harale Shrutika S	<i>Harale</i>	41	Naik Divya S	<i>Naik</i>	62	Yewale Urmila S	<i>Yewale</i>
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Assessment and Marksheet

PES Modern College of Pharmacy (For Ladies), Moshi, Pune

Test- Hands on training on autodock software installation and demonstration
Date-03/08/2020
Marks- 10 M
Time- 15 Min

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* Indicates required question

Roll no

Your answer

Name of student *

Your answer

1. Which of the following software is used for Ligand-receptor docking?

- a) Gastro Plus
- b) Map Check
- c) Schrodinger
- d) Maestro



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2. What is meant by docking?

- a) The process by which two different structures are compared by molecular modelling.
- b) The process by which a lead compound is simplified by removing excess functional groups.
- c) The process by which drugs are fitted into their target binding sites using molecular modelling.
- d) The process by which a pharmacophore is identified.

3. Which among in these are a Docking soft ware model

- a) Diamond
- b) Gold
- c) Silver
- d) Copper

4. The molecule does not change its shape during docking process is called

- a) flexible docking
- b) protein docking
- c) Rigid docking
- d) simple docking





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5. Docking comes under which type of qualitative approach?

- a) Ligand based
- b) Target based
- c) Expert based
- d) Physics based

6. Which of the following is NOT a primary goal of cheminformatics?

- a) Predicting chemical properties
- b) Designing new drugs
- c) Developing computer algorithms
- d) Analyzing biological data

7. Which type of information is commonly represented by chemical structures in cheminformatics?

- a) Physical properties
- b) Biological activities
- c) Synthetic pathways
- d) All of the above



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8. Which cheminformatics tool is commonly used for predicting the biological activity of molecules

- a) Molecular docking
- b) Molecular dynamics simulation
- c) Quantitative structure-activity relationship (QSAR)
- d) Molecular visualization

9. Which software is commonly used for molecular visualization and analysis in cheminformatics?

- a) ChemDraw
- b) PyMOL
- c) Gaussian
- d) Excel

10. Which of the following is a commonly used cheminformatics software for data mining and statistical analysis?

- a) ChemDraw
- b) Pipeline Pilot
- c) Gaussian
- d) MATLAB

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Year: Third Year

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21	2020/08/03 11.11:28 PM GMT+5:30	payalmaravade@312gmail.com	7.00/0	Maravade Payal S
22	2020/08/03 11.11:40 PM GMT+5:31	priyankadkale99@gmail.com	7.00 / 0	Kale Priyanka Dilip
23	2020/08/03 11.11:49 PM GMT+5:34	juveriya1511@gmail.co	9.00/0	Momin Juveriya A
24	2020/08/03 11.11:59 PM GMT+5:36	Shrutikakarpe153@gmail.com	10.00/0	Karpe Shrutika S
25	2020/08/03 11.13:08 PM GMT+5:37	gaurikhot318@gmail.com	8.00 / 0	Khot Gauri S
26	2020/08/03 11.13:25 PM GMT+5:39	bmayuri2001@gmail.com	8.00 / 0	Bhosale Mayuri K
27	2020/08/03 11.14:05 PM GMT+5:39	kambaleshraddha29@gmail.com	7.00/0	Kamble Shraddha S



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28	2020/08/03 11.14:15PM GMT+5:40	aditilakade74174@gmail.com	8.00/0	Lakade Aditi A
29	2020/08/03 11.14:35PM GMT+5:41	poojakamlu@gmail.com	8.00/0	Kamalu Pooja G
30	2020/08/03 11.15:35PM GMT+5:42	monikakute2001@gmail.com	7.00/0	Kute Monika R
31	2020/08/03 11.15:37PM GMT+5:42	supriyakhade2913@gmail.com	7.00/0	Khade Supriya M
32	2020/08/03 11.15:42PM GMT+5:44	mppandit99@gmail.com	8.00/0	Pandit Mayuri P
33	2020/08/03 11.16:01PM GMT+5:44	bhagyashreekhairb@gmail.com	7.00/0	Khair Bhagyashree
34	2020/08/03 11.16:32PM GMT+5:45	anujappatil4522@gmail.com	7.00/0	Patil Anuja Pramod
35	2020/08/03 11.16:35PM GMT+5:46	khedkarsanskriti@gmail.com	8.00/0	Khedkar Sanskriti
36	2020/08/03 11.16:56PM GMT+5:47	palweashwini202@gmail.com	8.00/0	Palwe Ashwini
37	2020/08/03 11.17:35PM GMT+5:49	yashdam121@gmail.com	7.00/0	Mungase Yashda A
38	2020/08/03 11.17:48PM GMT+5:50	piyushapawar2000@gmail.com	7.00/0	Pawar Piyusha Vasant
39	2020/08/03 11.17:49PM GMT+5:51	patilkomalpravin@gmail.com	7.00/0	Patil Komal Pravin
40	2020/08/03 11.17:55PM GMT+5:52	divyanaik198200@gmail.com	6.00/0	Naik Divya S
41	2020/08/03 11.17:58PM GMT+5:53	poojapharate2000@gmail.com	9.00/0	Pharate Pooja C
42	2020/08/03 11.17:58PM GMT+5:53	durgapote9@gmail.com	9.00/0	Pote Durga B
43	2020/08/03 11.18:07PM GMT+5:53	snehalgaikwad757@gmail.com	8.00/0	Gaikwad Snehal S
44	2020/08/03 11.18:08PM GMT+5:53	parnikarajput1742@gmail.com	8.00/0	Rajput Parnika P
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47	2020/08/03 11.18:34PM GMT+5:53	preeti27sakore@gmail.com	7.00 / 0	Sakore Preeti T
48	2020/08/03 11.18:37PM GMT+5:53	dumbarepriyanka21@gmail.com	7.00 / 0	Dumbare Priyanka
49	2020/08/03 11.18:48PM GMT+5:53	artishjul2403@gmail.com	8.00 / 0	Shejul Arti
50	2020/08/03 11.18:53PM GMT+5:53	shahmuskan2505@gmail.com	8.00 / 0	Shah Muskan A
51	2020/08/03 11.18:55PM GMT+5:53	sayalishelar252@gmail.com	6.00/0	Shelar Sayali T
52	2020/08/03 11.18:58PM GMT+5:53	shindeakanksha286@gmail.com	7.00 / 0	Shinde Akanksha M
53	2020/08/03 11.19:03PM GMT+5:53	aishwaryatodkar442@gmail.com	7.00 / 0	Todkar Aishawarya D
54	2020/08/03 11.19:09PM GMT+5:53	sirvijinal2000@gmail.com	8.00 / 0	Sirvi Jinalkumari D
55	2020/08/03 11.19:24PM GMT+5:53	sushamature3@gmail.com	8.00/0	Ture Sushama S
56	2020/08/03 11.20:27PM GMT+5:53	rutuja27yadav@gmail.com	8.00/0	Yadav Rutuja H
57	2020/08/03 11.20:39PM GMT+5:53	shubhadachavanbd@gmail.com	6.00/0	Chavan Shubhada B
58	2020/08/03 11.20:45PM GMT+5:53	meeravidya1998@gmail.com	7.00/0	Vaidya Meera Kisan
59	2020/08/03 11.20:55PM GMT+5:54	urmila2092000@gmail.com	6.00/0	Yewale Urmila S
60	2020/08/03 11.21:05PM GMT+5:55	srzadke112@gmail.com	7.00 / 0	Zadke Swapnali R

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61	2020/08/03 11.21:20PM GMT+5:56	chavanasha198@gmail.com	7.00 / 0	Asha Chavan
62	2020/08/03 11.21:28PM GMT+5:57	poojabomshete2019@gmail.com	8.00 / 0	Pooja Bhomshete
63	2020/08/03 11.22:45PM GMT+5:58	nehaganje1999@gmail.com	8.00 / 0	Ganje Neha


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Academic Year 2019-20 (Subindex 4)

**Certificate/Value added courses offered by college
(Syllabus, List of enrolled students with signature and assessment)**

Sr. No	Name of certificate/value added/online courses	Duration of course	Number of students enrolled in the course
1.	Workshop on: Demonstration, software installation and hands on training on DOE software	6 days	113
Total number of students			113



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Assessment Procedure



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Academic Year 2019-20		
Sr.No	Name of Add on /Certificate programs offered	Assessment procedure
1.	Workshop on :Demonstration, software installation and hands on training on DOE software	MCQ and descriptive based examination




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1. Workshop on: Demonstration, software installation and hands on training on DOE software

Syllabus

PES MODERN COLLEGE OF PHARMACY (FOR LADIES), MOSHI, PUNE

Workshop on Demonstration, software installation and hands on training on DOE software 2019-20

Course content

- **Module 1 (4 Hrs):** Introduction to DOE and Basic Principles
- **Module 2(4 Hrs):** Factorial Designs and Fractional Factorial Designs
- **Module 3(4 Hrs):** Response Surface Methodology (RSM)
- **Module 4(4 Hrs):** Blocking and Randomization Strategies
- **Module 5(4 Hrs):** Advanced Experimental Designs
- **Module 6(4 Hrs):** Software Applications and Project Work
- **Problem learning, Test (6Hrs)**

Mrs Rekha Bhalerao

Co-ordinator

Dr. V.S. Tambe

IQAC Co-ordinator

Dr. S.N. Dhole

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Design of Experiments (DOE) Course (7 Days)

Module 1: Introduction to Design of Experiments (DOE)

- Overview of Experimental Design
- Importance and Applications of DOE
- Historical Context and Milestones
- Basic Principles of Experimental Design
- Factors, Levels, and Responses
- Terminology and Notations

Module 2: Factorial Designs

- Introduction to Factorial Designs
- 2^k Factorial Designs
- Advantages and Limitations
- Interpretation of Factorial Design Results
- Fractional Factorial Designs
- Practical Exercise: Designing a 2^3 Factorial Experiment

Module 3: Response Surface Methodology (RSM)

- Basics of Response Surface Methodology
- Central Composite Designs (CCD)
- Rotatable Designs
- Optimization Techniques in RSM
- Analysis and Interpretation of RSM Results
- Practical Exercise: Conducting and Analyzing a Central Composite Design

Module 4: Blocking and Randomization

- Introduction to Blocking in Experiments



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PES MODERN COLLEGE OF PHARMACY (FOR LADIES), MOSHI, PUNE

- Randomized Complete Block Designs (RCBD)
- Latin Square Designs
- Split-Plot Designs
- Blocking and Randomization Strategies
- Practical Exercise: Implementing Blocking in an Experiment

Module 5: Advanced Experimental Designs

- Factorial Experiments with Random Factors
- Nested and Hierarchical Designs
- Split-Plot Designs Revisited
- Mixture Experiments
- Taguchi Methods
- Case Studies and Real-World Applications

Module 6: Software Applications and Project Work

- Overview of DOE Software (e.g., Minitab, JMP, R)
- Hands-on Training: Implementing DOE in Software
- Project Work: Designing and Conducting an Experiment
- Presentation of Projects
- Q&A and Course Evaluation



Rekha
Mrs. Rekha Bhalerao



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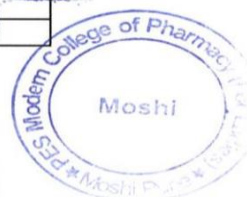
List of students enrolled with signature

PES Modern College of Pharmacy (For Ladies), Moshi, Pune

Workshop on : Demonstration, software installation and hands on training on DOE software (6 Days)

Roll. No	Name of students	Sign
1	Baradkar Priyanka Dilip	Baradkar
2	Bhakare Swarali V.	Bhakare
3	Bhoir Bhakti Mohan	Bhoir
4	Bhumkar Prajakta Vilas	Bhumkar
5	Borate Komal Tanaji	Borate
6	Chavan Chaityalya	Chavan
7	Deshmukh Sanchita H.	Deshmukh
8	Dhengale Rohini D.	Dhengale
9	Dhepe Sayali Dattu	Dhepe
10	Dhumal Aishwarya K.	Dhumal
11	Doiphode Aarti Rajan	Doiphode
12	Durg Ambika Prakash	Durg
13	Ganage Vaibhavi Maruti	Ganage
14	Garje Shweta Vitthal	Garje
15	Gawade Kajal Vishnu	Gawade
16	Gawade Sayali Ashok	Gawade
17	Ghige Sushmita Maruti	Ghige
18	Ghongade Sujita S.	Ghongade
19	Gilbile Prajakta Subhash	Gilbile
20	Gore Shraddha P.	Gore
21	Hande Prachi Rajaram	Hande
22	Jadhav Aarti Arjun	Jadhav
23	Jadhav Pooja Subhash	Jadhav
24	Jadhav Pranali	Jadhav
25	Jadhav Rohini Lala	Jadhav
26	Jadhav Shweta C.	Jadhav
27	Jadhav Tejaswini S.	Jadhav
28	Jagtap Reshma Suresh	Jagtap
29	Jaid Kanchan D.	Jaid
30	Katakdhond Shraddha	Katakdhond
31	Kharabi Aishwarya J.	Kharabi
32	Khurid Snehal Sujit	Khurid
33	Kulkarni Kalpita K.	Kulkarni
34	Lad Shital Balasaheb	Lad
35	Lagad Aishwarya M.	Lagad
36	Langhi Tejaswini F.	Langhi
37	Lanke Apoorva Sunil	Lanke
38	Lohakare Madhuri M.	Lohakare
39	Mahajan Devyani R.	Mahajan

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40	Mali Kalyani Ram	<i>Kalyani</i>
41	Mungase Shraddha D.	<i>Shraddha</i>
42	Murhe Monika Ramdas	<i>Monika</i>
43	Ovhal Komal Baban	<i>Komal</i>
44	Padwal Rutuja S.	<i>Rutuja</i>
45	Patil Apurva Bhau	<i>Apurva</i>
46	Pawar Vrushali R.	<i>Vrushali</i>
47	Phad Swayamprabha D.	<i>Swayamprabha</i>
48	Pise Samruddhi D.	<i>Samruddhi</i>
49	Raghu Priti Umakant	<i>Priti</i>
50	Rale Rujuta Manik	<i>Rujuta</i>
51	Rutuja Maruti Pansare	<i>Pansare</i>
52	Sandbhor Supriya S	<i>Supriya</i>
53	Saraf Priya Madhav	<i>Priya</i>
54	Sawant Trupti D.	<i>Trupti</i>
55	Shinde Dipti Janardan	<i>Dipti</i>
56	Shingade Pooja B.	<i>Pooja</i>
57	Shivekar Prajakta R.	<i>Prajakta</i>
58	Sonawane Rutuja B.	<i>Rutuja</i>

Rekha
Mrs. Rekha Bhaleao



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PES Modern College of Pharmacy (For Ladies), Moshi, Pune

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Roll. No	Name of students	Sign
1	Manasi Ahire	<i>Manasi Ahire</i>
2	Madhuri Bhalerao	<i>Madhuri Bhalerao</i>
3	Sarita Bhavari	<i>Sarita Bhavari</i>
4	Archana Bhujbal	<i>Archana Bhujbal</i>
5	Prajakta Chate	<i>Prajakta Chate</i>
6	Nalini Chamalwad	<i>Nalini Chamalwad</i>
7	Narangidevi Choudhary	<i>Narangidevi Choudhary</i>
8	Dhanashri Jagtap	<i>Dhanashri Jagtap</i>
9	Komal Dhole	<i>Komal Dhole</i>
10	Shweta Dhumal	<i>Shweta Dhumal</i>
11	Shalaka Dumbre	<i>Shalaka Dumbre</i>
12	Ankita Gaikwad	<i>Ankita Gaikwad</i>
13	Nishita Ghodekar	<i>Nishita Ghodekar</i>
14	Prachi Gholve	<i>Prachi Gholve</i>
15	Deepali Ghule	<i>Deepali Ghule</i>
16	Julie Gupta	<i>Julie Gupta</i>
17	Arti Hole	<i>Arti Hole</i>
18	Twinkle Jadhav	<i>Twinkle Jadhav</i>
19	Akanksha Kad	<i>Akanksha Kad</i>
20	Priyanka Kad	<i>Priyanka Kad</i>
21	Diksha Kadave	<i>Diksha Kadave</i>
22	Sunita Kakade	<i>Sunita Kakade</i>
23	Pallavi Kale	<i>Pallavi Kale</i>
24	Mrunmai Kalokhe	<i>Mrunmai Kalokhe</i>
25	Akshaya Kaware	<i>Akshaya Kaware</i>
26	Nikita Khaladkar	<i>Nikita Khaladkar</i>
27	Krutika Khandekar	<i>Krutika Khandekar</i>
28	Pranjali Kharmate	<i>Pranjali Kharmate</i>
29	Nikhita Khatke	<i>Nikhita Khatke</i>
30	Kanchan Khopade	<i>Kanchan Khopade</i>
31	Rani Khutale	<i>Rani Khutale</i>
32	Sonal Konde	<i>Sonal Konde</i>
33	Chaitanya Kulkarni	<i>Chaitanya Kulkarni</i>
34	Shital Kute	<i>Shital Kute</i>
35	Dhanshree Lanke	<i>Dhanshree Lanke</i>
36	Supriya Mali	<i>Supriya Mali</i>
37	Divya Munot	<i>Divya Munot</i>
38	Karishma Murhe	<i>Karishma Murhe</i>
39	Geetanjali Nalawade	<i>Geetanjali Nalawade</i>
40	Sonal Narke	<i>Sonal Narke</i>
41	Komal Pathare	<i>Komal Pathare</i>
42	Vanmala Patil	<i>Vanmala Patil</i>
43	Mrunali Pisal	<i>Mrunali Pisal</i>
44	Pradnya Raut	<i>Pradnya Raut</i>
45	Nikita Rale	<i>Nikita Rale</i>
46	Minal Ramdasi	<i>Minal Ramdasi</i>
47	Amruta Ranpise	<i>Amruta Ranpise</i>
48	Pranali Ranpise	<i>Pranali Ranpise</i>
49	Kiran Sadre	<i>Kiran Sadre</i>
50	Priyanka Satpute	<i>Priyanka Satpute</i>
51	Mohini Shelar	<i>Mohini Shelar</i>
52	Aishwarya Shinde	<i>Aishwarya Shinde</i>
53	Nikita Shinde	<i>Nikita Shinde</i>

Raul
Mrs. Rekha Bhalerao



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54.	Mohini	Shirsath	
55.	Kavita	Sonavane	



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Assessment and Marksheet

Assignment

Subject- Demonstration, software installation and hands on training on DOE software

Time- 20 min

Marks- 10M

Date- 08/02/2020

Roll No.-

Instructions- All questions are compulsory

Q.1. Multiple Choice Questions

(5M)

1. Question: What is the primary objective of the design of experiments (DOE)?

- A) To design aesthetically pleasing experiments
- B) To minimize the cost of experiments
- C) To maximize the efficiency of experiments and gather meaningful data
- D) To conduct experiments without any specific plan

2. Question: What is a factor in the context of experimental design?

- A) The response variable being measured
- B) The independent variable manipulated in the experiment
- C) The experimental error
- D) The participants in the experiment

3. Question: In a factorial experiment, how are different levels of each factor combined?

- A) By random assignment
- B) By using a Latin square design
- C) In a systematic sequence
- D) In all possible combinations

4. Question: What does the term "randomization" mean in the context of experimental design?

- A) Assigning treatments in a predetermined order
- B) Ensuring that every participant has an equal chance of being in any experimental group
- C) Conducting experiments without a clear plan
- D) Repeating experiments multiple times

5. Question: What is the purpose of a control group in experimental design?

- A) To manipulate the independent variable
- B) To provide a baseline for comparison and assess the effect of the treatment
- C) To introduce bias into the experiment
- D) To minimize the number of variables in the experiment

Question 2:

(10 Marks)

Explain the concept of factorial experimental design and its advantages. Provide a detailed example of a factorial design, including the identification of factors, levels, and the interpretation of interaction effects.

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M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

PES Modern College of Pharmacy (For Ladies), Moshi, Pune

Title: Workshop on :Demonstration, software installation and hands
on training on DOE software (7 Days)

Academic Year: 2022-23

Stream: B.Pharm.

Marks: 10

Date: 08/02/2020

Marksheet

Sr. no	Name of student	Marks Obtained
1.	Baradkar Priyanka Dilip	7
2.	Bhakare Swarali V.	5
3.	Bhoir Bhakti Mohan	7
4.	Bhumkar Prajakta Vilas	8
5.	Borate Komal Tanaji	9
6.	Chavan Chaityalya	7
7.	Deshmukh Sanchita H.	9
8.	Dhengale Rohini D.	7
9.	Dhepe Sayali Dattu	9
10.	Dhumal Aishwarya K.	8
11.	Doiphode Aarti Rajan	9
12.	Durg Ambika Prakash	7
13.	Ganage Vaibhavi Maruti	9
14.	Garje Shweta Vitthal	7
15.	Gawade Kajal Vishnu	9
16.	Gawade Sayali Ashok	8
17.	Ghige Sushmita Maruti	9
18.	Ghongade Sujita S.	8
19.	Gilbile Prajakta Subhash	7
20.	Gore Shraddha P.	8
21.	Hande Prachi Rajaram	8
22.	Jadhav Aarti Arjun	8
23.	Jadhav Pooja Subhash	9
24.	Jadhav Pranali	9
25.	Jadhav Rohini Lala	6
26.	Jadhav Shweta C.	7
27.	Jadhav Tejaswini S.	6
28.	Jagtap Reshma Suresh	7
29.	Jaid Kanchan D.	8
30.	Katakdhond Shraddha	8
31.	Kharabi Aishwarya J.	8
32.	Khirid Snehal Sujit	7
33.	Kulkarni Kalpita K.	5
34.	Lad Shital Balasaheb	7
35.	Lagad Aishwarya M.	8
36.	Langhi Tejaswini F.	9
37.	Lanke Apoorva Sunil	7
38.	Lohakare Madhuri M.	9
39.	Mahajan Devyani R.	7
40.	Mali Kalyani Ram	9
41.	Mungase Shraddha D	8



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Stream: B.Pharm.

Marks: 10

Date: 08/02/2020

42.	Murhe Monika Ramdas	9
43.	Ovhal Komal Baban	7
44.	Padwal Rutuja S.	9
45.	Patil Apurva Bhau	8
46.	Pawar Vrushali R.	8
47.	Phad Swayamprabha D.	8
48.	Pise Samruddhi D.	8
49.	Raghu Priti Umakant	8
50.	Rale Rujuta Manik	8
51.	Rutuja Maruti Pansare	9
52.	Sandbhor Supriya S	9
53.	Saraf Priya Madhav	9
54.	Sawant Trupti D.	9
55.	Shinde Dipti Janardan	5
56.	Shingade Pooja B.	5
57.	Shivekar Prajakta R.	6
58.	Sonawane Rutuja B.	6
59.	Manasi Ahire	7
60.	Madhuri Bhalerao	7
61.	Sarita Bhavari	8
62.	Archana Bhujbal	7
63.	Prajakta Chate	7
64.	Nalini Chamalwad	6
65.	Narangidevi Choudhary	6
66.	Dhanashri Jagtap	8
67.	Komal Dhole	6
68.	Shweta Dhumal	5
69.	Shalaka Dumbre	6
70.	Ankita Gaikwad	7
71.	Nishita Ghodekar	8
72.	Prachi Gholve	9
73.	Deepali Ghule	6
74.	Julie Gupta	6
75.	Arti Hole	8
76.	Twinkle Jadhav	8
77.	Akanksha Kad	7
78.	Priyanka Kad	8
79.	Diksha Kadave	6
80.	Sunita Kakade	6
81.	Pallavi Kale	6
82.	Mrunmai Kalokhe	8
83.	Akshaya Kaware	8
84.	Nikita Khaladkar	6
85.	Krutika Khandekar	6

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Stream: B.Pharm.

Marks: 10

Date: 08/02/2020

86.	Pranjali Kharmate	6
87.	Nikhita Khatke	7
88.	Kanchan Khopade	7
89.	Rani Khutale	7
90.	Sonal Konde	8
91.	Chaitanya Kulkarni	9
92.	Shital Kute	7
93.	Dhanshree Lanke	8
94.	Supriya Mali	9
95.	Divya Munot	7
96.	Karishma Murhe	8
97.	Geetanjali Nalawade	7
98.	Sonal Narke	7
99.	Komal Pathare	6
100.	Vanmala Patil	7
101.	Mrunali Pisal	8
102.	Pradnya Raut	6
103.	Nikita Rale	6
104.	Minal Ramdasi	8
105.	Amruta Ranpise	8
106.	Pranali Ranpise	7
107.	Kiran Sadre	7
108.	Priyanka Satpute	7
109.	Mohini Shelar	7
110.	Aishwarya Shinde	8
111.	Nikita Shinde	8
112.	Mohini Shirsath	6
113.	Kavita Sonavane	6

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Academic Year 2018-19 (Subindex 5)

**Certificate/Value added courses offered by college
(Syllabus, List of enrolled students with signature and assessment)**

Sr. No.	Name of certificate/value added/online courses	Duration of course	Number of students enrolled in the course
1.	Executive Diploma in Clinical Trial and Pharmacovigilance	3 months	22
2.	Research orientation programme	6 Days	112
Total number of students			134

Criterion 1: Curricular Aspects



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Assessment procedure



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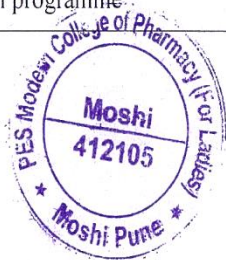
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Academic Year 2018-19		
Sr.No	Name of Add on /Certificate programs offered	Assessment procedure
1.	Executive Diploma in Clinical Trial and Pharmcovigilence	Theory, Viva, Presentation
2.	Research orientation programme.	MCQ based examination



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1. Executive Diploma in Clinical Trial and Pharmacovigilance

Syllabus



Schedule
Year: 2018-19

Executive Diploma in Clinical Research and Pharmacovigilance

Date	Faculty Name	Topic Covered (1)
01.09.18	Archana Gawade (Elite)	Clinical Research and PV Orientation
22.09.18	Archana Gawade (Elite)	Preclinical Research
29.09.18	Sneha Avachat (Quintiles)	History and Background of GCP
06.10.18	Abhijit Kulkarni (Quintiles)	Drug Safety Monitoring Board
07.10.18	Abhijit Kulkarni (Quintiles)	International Council on Medical Research
13.10.18	Abhijit Kulkarni (Quintiles)	Introduction to Pharmacovigilance
14.10.18	Abhijit Kulkarni (Quintiles)	Signal Detection and development
20.10.18	Abhijit Kulkarni (Quintiles)	PV Methods
21.10.18	Abhijit Pawade (TCS)	MEDRA (Medical Dictionary for drug regulatory Activities)
27.10.18	Abhijit Pawade (TCS)	WHO
28.10.18	Nilesh Gadekar (Cognizant)	Periodic Safety Update Report
1.12.18	Nilesh Gadekar (Cognizant)	Clinical Data Management and Clinical research revision
16.02.19	Abhijit Pawade (TCS)	Interview Preparation and Aptitude test
10.03.19	Archana Gawade (Elite)	Final PV Exam

Director

sign :

stamp :



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PARTNER



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List of students enrolled with signature



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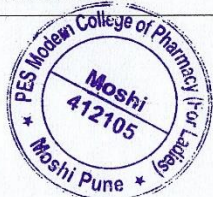
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1. Executive Diploma in Clinical Trial and Phamcovigilence

Sr.No	Name of Student	Sign of students
1.	Priyanka Satpute	<i>P. Satpute</i>
2.	Priyanka Kad	<i>Kad</i>
3.	Sunita Kakade	<i>Sunita K.</i>
4.	Madhuri Bhalerao	<i>Bhalerao</i>
5.	Geetanjali Nalawade	<i>Nalawade</i>
6.	Ankita Gaikwad	<i>Gaikwad</i>
7.	Diksha Kadave	<i>Diksha</i>
8.	Aishwarya Shinde	<i>Shinde</i>
9.	Supriya Mali	<i>Supriya</i>
10.	Nalini Chamalwad	<i>Nalini</i>
11.	Pradyna Raut	<i>Raut</i>
12.	Prajakta Chate	<i>Prajakta</i>
13.	Kiran Sadre	<i>Kiran</i>
14.	Rani Kutale	<i>R. Kutale</i>
15.	Amruta Ranpise	<i>Ranpise</i>
16.	Dipali Ghule	<i>Dipali</i>
17.	Komal Pathare	<i>Komal</i>
18.	Akshaya Kaware	<i>Akshaya</i>
19.	Nishita Ghodekar	<i>N. Ghodekar</i>
20.	Komal Dhole	<i>Dhole</i>
21.	Dhanashree Lanke	<i>Dhanashree</i>
22.	Akansha Kad	<i>Akansha</i>



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Assessment and Marksheets

Year: 2018-19

Final Assessment

Sr. No.	Name of Student	Theory	Viva	Presentation	Total
1.	Priyanka A Satpute	45	22	21	88
2	Priyanka P. Kad	45	20	21	86
3	Sunita C. Kakade	36	20	22	78
4	Madhuri V. Bhalerao	48	22	23	93
5	Geetanjali S. Nalawade	38	22	22	82
6	Ankita Y. Gaikwad	38	20	18	76
7	Diksha V. Kadave	39	19	19	77
8	Aishwarya G. Shinde	38	18	19	75
9	Supriya R. Mali	37	19	19	75
10	Nalini H. Chamalwad	17	17	18	52
11.	Pradnya S. Raut	42	17	18	77
12.	Prajakta T. Chate	41	17	19	77
13.	Kiran V. Sadre	40	17	20	77
14.	Rani S. Khutale	39	20	20	79
15	Amruta B. Ranpise	40	21	19	80
16	Deepali L. Ghule	36	19	19	74
17	Komal B. Pathare	36	17	17	70
18	Akshaya A. Kaware	44	21	20	85
19	Nishita S. Ghodekar	35	20	20	75
20	Komal M. Dhole	38	22	20	80
21	Dhanshree R. Lanke	39	17	18	74
22	Akanksha S. Kad	39	17	18	74

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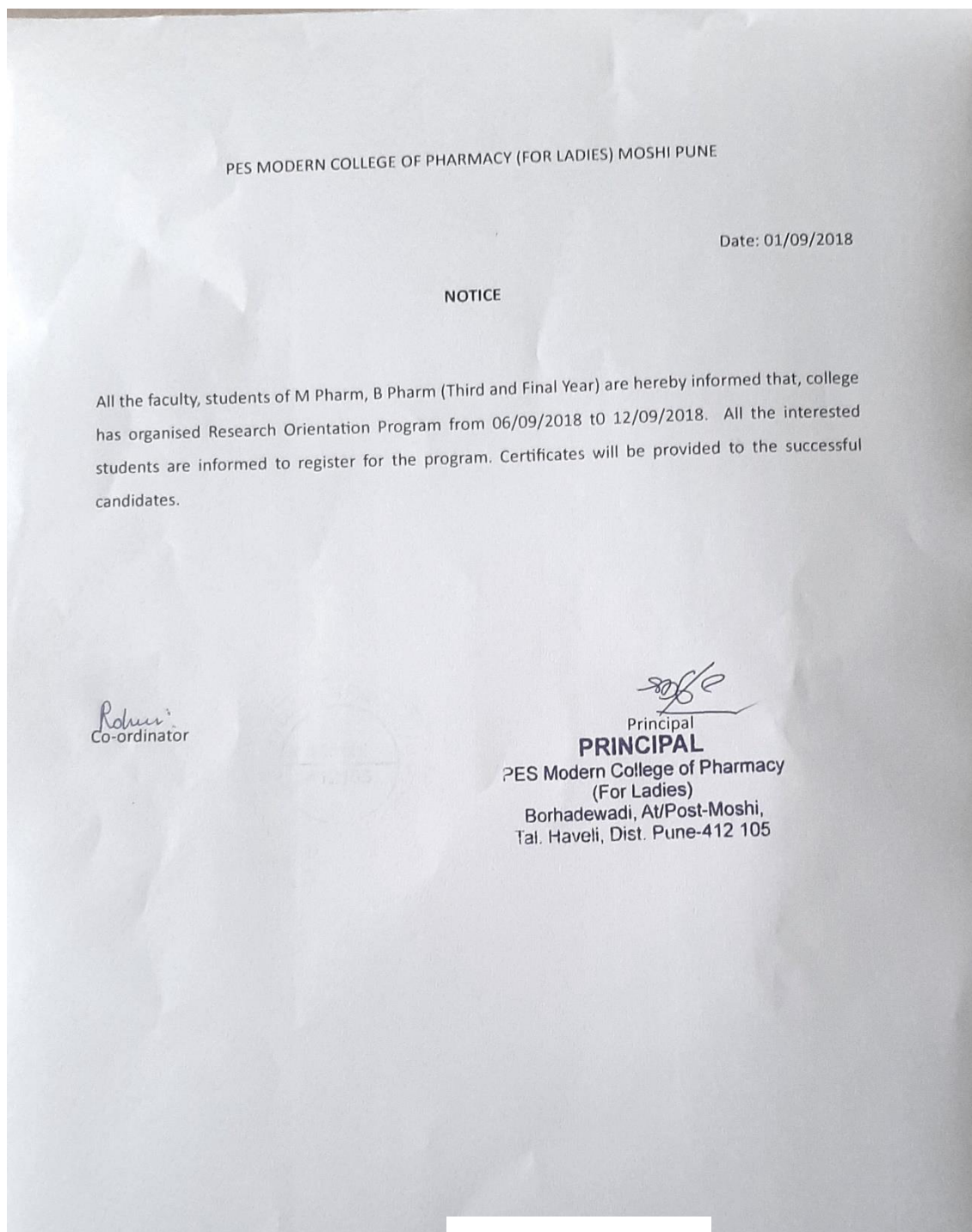


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2. Research orientation programme



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Syllabus

Modern College of Pharmacy (for ladies), Moshi, Pune

Research Orientation Program

Schedule

Sr. No.	Name of faculty	Orientation Topic	Day and Date	Time
1	Ms. V S Tambe	High Performance Liquid Chromatography	Thursday 06/09/2018	12.30 pm - 3.30 pm
2	Dr. S D More	Viscosity and drug profile	Thursday 06/09/2018	3.30 pm - 5.30 pm
3	Mrs. V S Vichare	UV Spectroscopy and standard Curve	Friday 07/09/2018	12.30 pm - 3.30 pm
4	Dr. K H Ramteke	Physical Characterization	Friday 07/09/2018	3.30 pm - 4.30 pm
5	Dr. U Y Kandekar	Stability studies	Friday 07/09/2018	4.30 pm - 5.30 pm
	Dr. U Y Kandekar	Stability studies	Saturday 08/09/2018	09.30 am -11.30 am
6	Dr. N S Kulkarni	Solubility measurement	Saturday 08/09/2018	11.30 am - 2.30 pm
7	Mr O M Bagade	Nanotechnology and probe sonicator	Monday 10/09/2018	12.30 pm -3.30 pm
8	Mr R R Chanshetti	Animal studies	Monday 10/09/2018	3.30 pm -5.30pm
9	Dr. V S Kashikar	Tablet Evaluation	Tuesday 11/09/2018	12.30 pm - 3.30 pm
10	Mr. M K Munde	Microwave assisted synthesis	Tuesday 11/09/2018	3.30 pm -5.30pm
11	Ms. V A Warad	Anti-microbial studies and sterility testing	Wednesday 12/09/2018	12.30 pm - 3.30 pm
12	Ms. M C Upadhye	Extraction and isolation studies	Wednesday 12/09/2018	3.30 pm -5.30pm

Rohini
Research co-ordinator.



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List of students with Signature

Modern College of Pharmacy (For Ladies), Moshi, Pune

Research Orientation program for M. Pharm. Freshers

Name of the topic: *CHPLC, viscosity & Drug profile*

Name of faculty: *(Ms. V. S. Tambe, Dr. S. D. More)* Date: *6/9/18*

S. No.	Name of students with M. Pharm. discipline	Signature
1.	<i>Pratiksha Indore (Pharmaceutics)</i>	<i>Pshdax</i>
2.	<i>Ankita Kishor Chaudhari</i>	<i>AK Chaudhari</i>
3.	<i>Jyoti Gopichand Rathod</i>	<i>Jyoti</i>
4.	<i>Priyanka Vasantao Mohurle</i>	<i>P. Mohurle</i>
5.	<i>Gholap Preetija Pradeep</i>	<i>Preetija G.</i>
6.	<i>Surraje Sarala Rajaram</i>	<i>SR</i>
7.	<i>Puja Sukhadev Wakase</i>	<i>PWakase</i>
8.	<i>Sakshi Suresh Ghuge</i>	<i>S Ghuge</i>
9.	<i>Ashwini Raosaheb Mali</i>	<i>AMali</i>
10.	<i>Mukta Anil Kulkarni</i>	<i>MAKulkarni</i>
11.	<i>Jyoti Lokhande</i>	<i>JLokhande</i>
12.	<i>Tejaswri Chhagan Sawant</i>	<i>TSawant</i>
13.	<i>Priyanka Patil</i>	<i>Priyanka</i>
14.	<i>Priyanka Mudhe</i>	<i>PMudhe</i>
15.	<i>Nikita Rukhe</i>	<i>NR</i>
16.	<i>Aishwarya Biradar</i>	<i>Biradar</i>
17.	<i>Priyanka Handargule</i>	<i>Priyanka</i>
18.		



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M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

PES Modern College of Pharmacy (For Ladies), Moshi, Pune

Attendance- Research Orientation Programme (6 Days)

Roll. No	Name of students	Sign
1	Priyanka Baradkar	Priyanka Baradkar
2	SWARALI BHAKARE	Swarali
3	BHAKTI BHOIR	Bhakti
4	PRAJAKTA BHUMKAR	Prajakta
5	Komal T Borate	Komal T Borate
6	CHAITYALYA CHAVAN	Chaityalya
7	SANCHITA DESHMUKH	Sanchita
8	Rohini Dhengale	Rohini
9	SAYALI DHEPE	Sayali
10	AISHWARYA DHUMAL	Aishwarya
11	AARTI DOIPHODE	Aarti
12	AMBIKA DURG	Ambika
13	VAIBHAVI GANAGE	Vaibhavi
14	SHWETA GARJE	Shweta
15	KAJAL GAWADE	Kajal
16	SAYALI GAWADE	Sayali
17	Sushmita Ghige	Sushmita
18	SUJITA GHONGADE	Sujita
19	PRAJAKTA GILBILE	Prajakta
20	SHRADDHA GORE	Shraddha
21	PRACHI HANDE	Prachi
22	AARTI JADHAV	Aarti
23	Pooja Jadhav	Pooja
24	Pranali Jadhav	Pranali
25	Rohini Jadhav	Rohini
26	SHWETA JADHAV	Shweta
27	TEJASWINI JADHAV	Tejaswini
28	RESHMA JAGTAP	Reshma
29	KANCHAN JAID	Kanchan
30	SHRADDHA KATAKDHOND	Shraddha
31	AISHWARYA KHARABI	Aishwarya
32	SNEHAL KHIRID	Snehal
33	KALPITA KULKARNI	Kalpita
34	SHITAL LAD	Shital
35	AISHWARYA LAGAD	Aishwarya
36	TEJASWINI LANGHI	Tejaswini
37	APOORVA LANKE	Apoorva
38	MADHURI LOHAKARE	Madhuri
39	DEVYANI MAHAJAN	Devyani
40	Kalyani Mali	Kalyani
41	SHRADDHA MUNGASE	Shraddha
42	MONIKA MURHE	Monika
43	Komal Ovhal	Komal
44	RUTUJA PADWAL	Rutuja
45	APURVA PATIL	Apoorva
46	VRUSHALI PAWAR	Vrushali
47	SWAYAMPRABI PHAD	Swayampriya
48	Samrudhi Pise	Samrudhi
49	PRITI RAGHU	Priti
50	Rutuja Rale	Rutuja
51	Rutuja Pansare	Rutuja
52	supriya sandBhor.	Supriya

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Criterion 1: Curricular Aspects



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Business Council P.E. Society, Pune

PES Modern College of Pharmacy
Moshi, Pune

(For Ladies),

Research Orientation Programme (6 Days)

Roll. No	Name of students		Sign
1	Manasi	Ahire	Manasi Ahire.
2	Madhuri	Bhalerao	Madhuri
3	Sarita	Bhavari	Sarita
4	Archana	Bhujbal	Archana
5	Prajakta	Chate	Prajakta
6	Nalini	Chamalwad	Nalini
7	Narangidevi	Choudhary	Narangidevi
8	Dhanashri	Jagtap	Dhanashri
9	Komal	Dhole	Komal
10	Shweta	Dhumal	Shweta
11	Shalaka	Dumbre	Shalaka
12	Ankita	Gaikwad	Ankita
13	Nishita	Ghodekar	Nishita
14	Prachi	Gholve	Prachi
15	Deepali	Ghule	Deepali
16	Julie	Gupta	Julie
17	Arti	Hole	Arti
18	Twinkle	Jadhav	Twinkle
19	Akanksha	Kad	Akanksha
20	Priyanka	Kad	Priyanka
21	Diksha	Kadave	Diksha
22	Sunita	Kakade	Sunita
23	Pallavi	Kale	Pallavi
24	Mrunmai	Kalokhe	Mrunmai
25	Akshaya	Kaware	Akshaya
26	Nikita	Khaladkar	Nikita
27	Krutika	Khandekar	Krutika
28	Pranjali	Kharmate	Pranjali
29	Nikhita	Khatke	Nikhita
30	Kanchan	Khopade	Kanchan
31	Rani	Khutale	Rani
32	Sonal	Konde	Sonal
33	Chaitanya	Kulkarni	Chaitanya
34	Shital	Kute	Shital
35	Dhanshree	Lanke	Dhanshree
36	Supriya	Mali	Supriya
37	Divya	Munot	Divya
38	Karishma	Murhe	Karishma
39	Geetanjali	Nalawade	Geetanjali
40	Sonal	Narke	Sonal
41	Komal	Pathare	Komal
42	Vanmala	Patil	Vanmala
43	Mrunali	Pisal	Mrunali
44	Pradnya	Raut	Pradnya
45	Nikita	Rale	Nikita
46	Minal	Ramdasi	Minal
47	Amruta	Ranpise	Amruta
48	Pranali	Ranpise	Pranali



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
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M. Pharm., Ph. D.
Principal

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

49.	Kiran	Sadre	Kiran
50.	Priyanka	Stpute	Priyanka
51.	Mohini	Shelar	Mohini




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Assesment and Marksheets

Modern College of Pharmacy (for ladies), Moshi, Pune
Research Orientation Program
ASSESSMENT

Name of the student:

1. Which of the following statement ABOUT uv-Spectroscopy is not correct ?

- (A) Absorptivity changes with the intensity of the light
- (B) Absorbance is independent of intensity of the light
- (C) Absorbance has no units
- (D) Absorptivity is a constant and depends on the nature of the molecule

2. Which of the following is not true about High pressure liquid chromatography (HPLC)?

- a) It requires high pressure for the separation of the species
- b) There is need to vaporise the samples
- c) It is performed in columns
- d) It has high sensitivity

3. Following are ICH stability guidelines

- a) Q1
- b) Q8
- c) Q9
- d) Q10

4. For microwave assisted synthesis which type of solvent is preferred?

- a) non-aqueous
- b) polar
- c) organic non polar
- d) None of the above

5. Nanomaterials are the materials with at least one dimension measuring less than

- a) 1 nm
- b) 10 nm
- c) 100 nm
- d) 1000 nm

6. Which of the following statement is correct about viscosity?

- a) it occurs only in liquids
- b) it supports fluid flow
- c) it occurs in solids
- d) none of the above

7. When the estimation of crude drug or its preparation is done by means of its effect on living organism it is known as _____.

- 1. Toxicological standardization
- 2. Bioassay
- 3. Chemical examination
- 4. Physical examination

8. Which among the following is chemical standardization of herbs?

- 1. Viscosity
- 2. Melting point
- 3. Solubility
- 4. Determination of saponins

9. Membrane filtration method can be used for sterility testing of?

- a. Ophthalmics
- b. Parenterals
- c. Antibiotics
- d. All of the above

10. Do you feel overall orientation program improved your research aptitude?

- a) yes
- b) not confirm
- c) no



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PES Modern College of Pharmacy (For Ladies), Moshi, Pune

Title: Research Orientation Programme

Academic Year: 2018-19

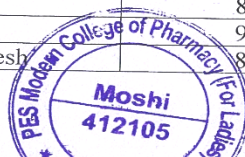
Stream: M Pharm and B.Pharm.

Marks: 10

Date: 13/09/2018

Marksheet

Sr. no	Name of student	Marks Obtained
1.	Pratiksha Mohure	9
2.	Ankita Chuadhari	7
3.	Gholap Preetija	8
4.	Ashwini Mali	7
5.	Puja Wakase	7
6.	Saroja Survase	9
7.	Mukta Kulkarni	8
8.	Jyoti Rathod	8
9.	Pratiksha Indore	8
10.	Sakshi Ghuge	7
11.	Nikita Rukhe	9
12.	Aishwarya Biradar	8
13.	Handargule Priyanka	10
14.	Mundhe Priyanka	8
15.	Priyanka Patil	9
16.	Tejashri Sawant	8
17.	Jyoti Lokhande	7
18.	Baradkar Priyanka Dilip	8
19.	Bhakare Swarali V.	7
20.	Bhoir Bhakti Mohan	8
21.	Bhumkar Prajakta Vilas	8
22.	Chavan Chaityalya	9
23.	Deshmukh Sanchita H.	9
24.	Dhengale Rohini D.	6
25.	Dhepe Sayali Dattu	7
26.	Dhumal Aishwarya K.	6
27.	Doiphode Aarti Rajan	7
28.	Durg Ambika Prakash	8
29.	Ganage Vaibhavi Maruti	8
30.	Garje Shweta Vitthal	8
31.	Gawade Kajal Vishnu	7
32.	Gawade Sayali Ashok	5
33.	Ghige Sushmita Maruti	7
34.	Ghongade Sujita S.	8
35.	Gilbale Prajakta Subhash	9
36.	Gore Shraddha P.	7
37.	Hande Prachi Rajaram	9
38.	Jadhav Aarti Arjun	7
39.	Jadhav Pooja Subhash	9
40.	Jadhav Pranali	8
41.	Jadhav Rohini Lala	9
42.	Jagtap Reshma Suresh	8



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Title: Research Orientation Programme

Academic Year: 2018-19

Stream: M Pharm and B.Pharm.

Marks: 10

Date: 13/09/2018

43.	Jaid Kanchan D.	8
44.	Katakdhond Shraddha	8
45.	Kharabi Aishwarya J.	8
46.	Khird Snehal Sujit	8
47.	Kulkarni Kalpita K.	8
48.	Lad Shital Balasaheb	9
49.	Langhi Tejaswini F.	9
50.	Lanke Apoorva Sunil	9
51.	Lohakare Madhuri M.	5
52.	Mahajan Devyani R.	5
53.	Murhe Monika Ramdas	7
54.	Ovhal Komal Baban	7
55.	Padwal Rutuja S.	8
56.	Patil Apurva Bhau	7
57.	Pawar Vrushali R.	7
58.	Phad Swayamprabha D.	6
59.	Raghu Priti Umakant	8
60.	Rale Rujuta Manik	6
61.	Rutuja Maruti Pansare	5
62.	Sandbhor Supriya S	6
63.	Saraf Priya Madhav	7
64.	Sawant Trupti D.	8
65.	Shinde Dipti Janardan	9
66.	Shingade Pooja B.	6
67.	Shivekar Prajakta R.	6
68.	Pradyna Takale	8
69.	Prathana Tale	7
70.	Dipanjali Tanpure	8
71.	Pallavi Thorat	6
72.	Ashwinin Torade	6
73.	Shivani Wadane	6
74.	Priyanka Wagh	8
75.	Sneha Waghmare	8
76.	Pranjali Zhope	6
77.	Manasi Ahire	6
78.	Madhuri Bhalerao	6
79.	Sarita Bhavari	7
80.	Narangidevi Choudhary	9
81.	Dhanashri Jagtap	7
82.	Komal Dhole	8
83.	Shweta Dhumal	9
84.	Shalaka Dumbre	7
85.	Ankita Gaikwad	8
86.	Nishita Ghodekar	7
87.	Prachi Gholve	7

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Title: Research Orientation Programme

Academic Year: 2018-19

Stream: M Pharm and B.Pharm.

Marks: 10

Date: 13/09/2018

88.	Deepali Ghule	6
89.	Julie Gupta	7
90.	Mrunmai Kalokhe	7
91.	Akshaya Kaware	7
92.	Nikita Khaladkar	8
93.	Krutika Khandekar	8
94.	Pranjali Kharmate	6
95.	Nikhita Khatke	6
96.	Kanchan Khopade	5
97.	Rani Khutale	6
98.	Sonal Konde	6
99.	Chaitanya Kulkarni	7
100.	Shital Kute	8
101.	Pradnya Raut	5
102.	Nikita Rale	7
103.	Minal Ramdasi	8
104.	Amruta Ranpise	7
105.	Pranali Ranpise	8
106.	Kiran Sadre	8
107.	Priyanka Satpute	6
108.	Mohini Shelar	6
109.	Aishwarya Shinde	6
110.	Nikita Shinde	7
111.	Mohini Shirsath	8
112.	Kavita Sonavane	8

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