

SCHOOL OF PHARMACY

CRITERIA 1

SUB CRITERIA 1.3.4

Percentage of students undertaking field projects / research projects / internships

Academic Year

2019-2020


Dr. Omveer Singh
REGISTRAR
ITM University
Gwalior (M.P.)



UNIVERSITY

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"CELEBRATING DREAMS"

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Prof. A. Balasubramaniam
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SCHOOL OF PHARMACY

Total Number of Research Projects in UG and PG

Research Projects	Program	Total Number of students involved in research projects
	B.Pharm	33
	M.Pharm(Pharmaceutics)	03

The students undertake major projects for increasing their practical knowledge and experience. Students are encouraged to do their research in the University, Industry and community to encourage the research insight in them.


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STUDY AND EVALUATION SCHEME (2019-2020)

(SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Programme: BPharm(BPharm)

Semester: 8th

S.No	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credits
			Theory			Practical			Total Marks	L	T	P	
			End Sem. Exam	Mid Sem Exam	Class Participation	End Sem. Exam	Progressive Evaluation	Internal Viva					
1	BP801T	Biostatistics and Research Methodology	75	15	10	0	0	0	100	3	1	0	4
2	BP802T	Social and Preventive Pharmacy	75	15	10	0	0	0	100	3	1	0	4
3	BP813PW	Project Work	0	0	0	100	25	25	150	0	0	6	6
4		Elective2.	75	15	10	0	0	0	100	3	1	0	4
5		Elective2.	75	15	10	0	0	0	100	3	1	0	4
Total Credits											22		


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Syllabus

Title of the Course	Project Work
Course Code	BP813PW

Part A

Year	4th	Semester	8th	Credits	L	T	P	C
					0	0	6	6
Course Type	Project							
Course Category	Projects and Internship							
Pre-Requisite/s				Co-Requisite/s				
Course Outcomes & Bloom's Level	CO1- To understand Review literature (BL2-Understand) CO2- To apply knowledge into practical manner (BL3-Apply) CO3- To write and present thesis work (BL3-Apply)							
Course Elements	Skill Development ✗ Entrepreneurship ✗ Employability ✓ Professional Ethics ✓ Gender ✗ Human Values ✗ Environment ✓	SDG (Goals)	SDG1(No poverty) SDG3(Good health and well-being) SDG4(Quality education) SDG6(Clean water and sanitation) SDG8(Decent work and economic growth) SDG10(Reduced inequalities) SDG11(Sustainable cities and economies) SDG12(Responsible consumption and production) SDG17(Partnerships for the goals)					

Part B

Modules	Contents	Pedagogy	Hours
1	1. The area of the project shall directly relate any one of the elective subject opted by the students 2. All the students shall undertake a project under the supervision of a teacher and submit a report. 3. The project shall be carried out in group not exceeding 5 in number. The project report shall be submitted in triplicate (typed & bound copy not less than 25 pages). 4. The internal and external examiner appointed by the University shall evaluate the project at the time of the Practical examinations of other semester(s). 5. Students shall be evaluated in groups for four hours (i.e., about half an hour for a group of five students). 6. The projects shall be evaluated as per the criteria given below.	PBL	150


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Part C

Modules	Title	Indicative-ABCA/PBL/ Experiments/Field work/ Internships	Bloom's Level	Hours
1	As per supervisor's instructions	PBL	BL2-Understand	10

Part D(Marks Distribution)


Theory					
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation
Practical					
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation
150	75	100	50	50	25

Part E

Books	As per Given Topic
Articles	As per Given Topic https://www.sciencedirect.com/search NCBI/Pubmed Library
References Books	As per Given Topic
MOOC Courses	NA
Videos	As per Given Topic

Course Articulation Matrix

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	2	3	3	3	1	0	0	-	-	-	-	1	0	0
CO2	2	1	2	3	2	1	0	0	-	-	-	-	1	0	0
CO3	2	1	2	3	2	1	0	0	-	-	-	-	1	0	0
CO4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-


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STUDY AND EVALUATION SCHEME


(SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Name of Course: M Pharm (Pharmaceutics)

Semester: 4th

.No.	Subject Code	Subject Name	Maximum Marks Allotted							Credits Allotted			Total Credit
			Theory			Practical			Total Marks	L	T	P	
			End Sem. Exam	Mid Sem Exam	Class Participation	End Sem. Exam	Progressive Evaluation	Internal Viva					
1	MPH 401P	Journal Club	0	0	0	0	25	0	25	0	0	1	1
2	MPH 402P	Discussion/Presentation (Proposal Presentation)	0	0	0	75	0	0	75	0	0	16	16
3	MPH 403P	Discussion/Final Presentation	0	0	0	200	100	100	400	0	0	3	3
4	MPH 404T	Research Publication /Report	0	0	0	50	0	0	50	0	0	1	1
Total Credits													21

Newly Added Courses


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Syllabus-2019-2020

(SOP)(M Pharm-Pharmaceutics)

Title of the Course	Discussion/Final Presentation
Course Code	MPH 403P

Part A

Year	2nd	Semester	4th	Credits	L	T	P	C
					0	0	3	3
Course Type	Lab only							
Course Category	Projects and Internship							
Pre-Requisite/s				Co-Requisite/s				
Course Outcomes & Bloom's Level	CO1- To know how to conduct a research(BL2-Understand) CO2- To know about different research methodologies(BL2-Understand) CO3- Application of research principles and statistical principles(BL3-Apply)							
Course Elements	Skill Development ✓ Entrepreneurship ✗ Employability ✗ Professional Ethics ✗ Gender ✗ Human Values ✗ Environment ✗		SDG (Goals)	SDG4(Quality education)				

Part B

Modules	Contents	Pedagogy	Hours
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Part D(Marks Distribution)

Theory					
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation
	200				
Practical					
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation
400	200	200	100	200	100


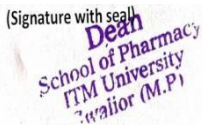

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Part E

Books	NA
Articles	NA
References Books	NA
MOOC Courses	NA
Videos	NA

Course Articulation Matrix

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	-	3	3	3	1	-	-	-	-	-	3	-	1	-	3
CO2	-	2	3	3	1	-	-	-	-	-	3	-	-	-	1
CO3	-	3	3	3	-	-	-	-	-	-	2	-	1	-	3
CO4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-


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Syllabus-2019-2020

(SOP)(MPharm-PharmaCeutics)

Title of the Course	Research Publication /Report
Course Code	MPH 404T

Part A

Year	2nd	Semester	4th	Credits	L	T	P	C
					0	0	2	2
Course Type	Lab only							
Course Category	Projects and Internship							
Pre-Requisite/s					Co-Requisite/s			
Course Outcomes & Bloom's Level	CO1- students should improve thier publication writing skills(BL2-Understand) CO2- Improve their communication skills (BL3-Apply) CO3- should get sound knowledge of various databases ,referencing styles and softwares(BL3-Apply)							
Course Elements	Skill Development ✗ Entrepreneurship ✗ Employability ✗ Professional Ethics ✓ Gender ✗ Human Values ✓ Environment ✗		SDG (Goals)	SDG4(Quality education)				

Part B

Modules	Contents	Pedagogy	Hours
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Part C

Modules	Title	Indicative-ABCA/PBL/ Experiments/Field work/ Internships	Bloom's Level	Hours
1	presenting research/review papers in various seminars ,conferences or symposiums	PBL		


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Part D(Marks Distribution)



Theory					
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation
	25				
Practical					
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation
50	0	50	25	0	0

Part E

Books	NA
Articles	NA
References Books	NA
MOOC Courses	NA
Videos	NA

Course Articulation Matrix

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1	3	2	2	1	-	-	-	-	-	3	-	1	1	3
CO2	1	1	2	2	-	-	-	-	-	-	2	-	2	2	3
CO3	1	3	3	2	1	-	-	-	-	-	3	-	1	2	1
CO4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-


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Details of UG, PG Industrial Trainings/ Projects

Name of the School: School of Pharmacy

Name of the Course and Branch: B.Pharmacy

Session: 2019-20

Total No. of Students enrolled: 33

Sr. no	Branch	Name of Students	Roll Number	Title of Project	Duration	Guide Name
1.	Pharmacy	Abhishek Deshmukh	BPYN1PY16001	Computer-aided drug designing for targeted drug delivery systems.	6 months	Mr. Anurag Agarwal
2.	Pharmacy	Akash Jain	BPYN1PY16002		6 months	Mr. Anurag Agarwal
3.	Pharmacy	Anil Vishvakarma	BPYN1PY16004		6 months	Mr. Anurag Agarwal
4	Pharmacy	Anmol Chaturvedi	BPYN1PY16005		6 months	Mr. Anurag Agarwal
5	Pharmacy	Anurag Sharma	BPYN1PY16006	Novel Routes of Insulin for Diabetes Treatment.	6 months	Mr. H.K. Pathan
6	Pharmacy	Archita Mukherjee	BPYN1PY16007		6 months	Mr. H.K. Pathan
7	Pharmacy	Deepali Shrivastava	BPYN1PY16012		6 months	Mr. H.K. Pathan
8	Pharmacy	Divyansh Pathak	BPYN1PY16013	In silico modelling of protein dynamics in heart disease	6 months	Mrs. Divya Niranjana
9	Pharmacy	Harsh Kumar Pandey	BPYN1PY16014		6 months	Mrs. Divya Niranjana
10	Pharmacy	Hemant Gurjar	BPYN1PY16016		6 months	Mrs. Divya Niranjana
11	Pharmacy	Himanshu Kumar Sonu	BPYN1PY16017		6 months	Mrs. Divya Niranjana
12	Pharmacy	Himanshu Rajput	BPYN1PY16018	Innovative ways to disinfect surfaces using catalysis	6 months	Mrs. Divya Niranjana
13	Pharmacy	Jayesh Mishra	BPYN1PY16019		6 months	Mrs. Divya Niranjana
14	Pharmacy	Kamuchele	BPYN1PY16020		6 months	Mrs. Divya Niranjana

		Judith				
15	Pharmacy	Md Moin Khan	BPYN1PY16021		6 months	Mrs. Divya Niranjan
16	Pharmacy	Mushaike Eustus	BPYN1PY16022	Designing of a polyherbal formulation for metabolic disorder	6 months	Dr. A. Balasubramaniam
17	Pharmacy	Navneet Patkar	BPYN1PY16023		6 months	Dr. A. Balasubramaniam
18	Pharmacy	Nilu Kumari	BPYN1PY16025		6 months	Dr. A. Balasubramaniam
19	Pharmacy	Prateek Mangal	BPYN1PY16027		6 months	Dr. A. Balasubramaniam
20	Pharmacy	Pritam Chetri	BPYN1PY16028		Parkinson's disease novel drugs.	6 months
21	Pharmacy	Rajat Mudgal	BPYN1PY16030	6 months		Mr. Nem Kumar Jain
22	Pharmacy	Ranjit Singh	BPYN1PY16032	6 months		Mr. Nem Kumar Jain
23	Pharmacy	Roy Rimjhim Shankar	BPYN1PY16033	6 months		Mr. Nem Kumar Jain
24	Pharmacy	Sailee Rangnekar	BPYN1PY16034	Supercritical fluid technology		6 months
25	Pharmacy	Shrikrishna Kaneriya	BPYN1PY16037		6 months	Mr. Shivam Tayal
26	Pharmacy	Shubham Kumar Gupta	BPYN1PY16039		6 months	Mr. Shivam Tayal
27	Pharmacy	Sima Das	BPYN1PY16040		6 months	Mr. Shivam Tayal
28	Pharmacy	Simran Gill	BPYN1PY16041		6 months	Mr. Shivam Tayal
29	Pharmacy	Subham Nagar	BPYN1PY16042	Formulation and evaluation of topical formulations of Bosweellic acids guggulosterones for the treatment of rheumatoid arthritis	6 months	Dr. Subodh Kumar Dubey
30	Pharmacy	Yesmant Amb	BPYN1PY16045		6 months	Dr. Subodh Kumar Dubey
31	Pharmacy	Zaid Khan	BPYN1PY16046		6 months	Dr. Subodh Kumar Dubey
32	Pharmacy	Satpal Singh	BPYN1PY16047		6 months	Dr. Subodh Kumar Dubey
33	Pharmacy	Sanjana Singh	BPYN1PY16049		6 months	Dr. Subodh Kumar Dubey


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COMPUTER AIDED DRUG DESIGNING FOR TARGETED DRUG DELIVERY SYSTEM



A Dissertation submitted to

ITM University, Gwalior

in the partial fulfillment of the degree of

BACHELOR'S IN PHARMACY

Submitted by:

ABHISHEK DESHMUKH

BPYN1PY16001

Supervised by

Mr. ANURAG AGRAWAL

(ASSISTANT PROFESSOR)



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NOVEL ROUTES OF INSULIN FOR DIABETES TREATMENT



A Dissertation submitted to

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IN-SILICO MODELLING OF PROTEIN DYNAMICS IN HEART DISEASES



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Submitted by:

HARSH KUMAR PANDEY

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Supervised by

Mrs. DIVYA NIRANJAN

(ASSISTANT PROFESSOR)


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DESIGNING OF A POLYHERBAL FORMULATION FOR METABOLIC DISORDERS



A Dissertation submitted to

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in the partial fulfillment of the degree of

BACHELOR'S IN PHARMACY

Submitted by:

NAVNEET PATKAR

BPYN1PY16023

Supervised by

Dr. A. BALASUBRAMANIAM

(DEAN)



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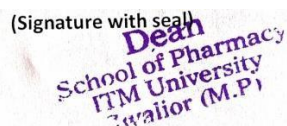
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Details of UG, PG research projects

Name of the School: School of Pharmacy
Name of the Course and Branch: M.Pharm
(Pharmaceutics) Session: 2019-20
Total No. of Students enrolled: 3

S.No	Specialization	Name of the Student	Roll No.	Title of the project	Duration	Guide's Name
1	Pharmaceutics	Bharti Parmar	MPYN1PY1 8001	Formulation and evaluation of dosage form for the management of kidney stone	2 Yrs	Dr. Subodh Kumar Dubey
2	Pharmaceutics	Pramod Sharma	MPYN1PY1 8002	Preparation and evaluation of muco-adhesive buccal tablets of Psidium guajava stem bark ethanol extract for oral infection disease	2 Yrs	Dr. A. Balasubramaniam
3	Pharmaceutics	Suwrath Agrawal	MPYN1PY1 8004	Design, formulation & Development of fast dissolving Multilayer tablet of anti-hiv Drugs	2 Yrs	Dr. A. Balasubramaniam


 Prof. A. Balasubramaniam
 Dean of School

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Formulation and Evaluation of Dosage Form for Management of Organ Stone

**A dissertation submitted in partial fulfilment of the requirement for
The award of the degree of**

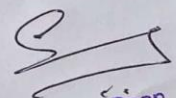
**MASTER OF PHARMACY
(PHARMACEUTICS)
ITM UNIVERSITY GWALIOR**

By

**Bharti Parmar
(Roll. No. MPYN1PY18001)**

**Under the Guidance of
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Assistant Professor**

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**Design Development and Evaluation of Nucleocide Analog Reverse Transcriptase Inhibitor
Drug (NRTIS)**

**A dissertation submitted in partial fulfilment of the requirement for
The award of the degree of**

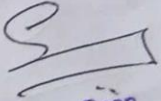
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Formulation and Evaluation of Liposomal Drug Delivery System for Adriablastin
A dissertation submitted in partial fulfilment of the requirement for
The award of the degree of

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By

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