



**PRESIDENT**

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**2.6.2 Attainment of POs and COs are evaluated**

**Rubrics developed to validate Program outcomes.**

**Establish the correlation between the course outcomes and the Program Outcomes**

**(NBA defined Program Outcomes)**

**Program outcomes:**

1. Pharmacy Knowledge.
2. Planning Ability.
3. Problem Analysis.
4. Modern Tool Usage.
5. Leadership Skills.
6. Professional Identity.
7. Pharmaceutical Ethics.
8. Communication.
9. Pharmacist and Society.
10. Environment and Sustainability.
11. Lifelong learning.

**Course outcomes:**

The course outcomes are prepared for each subject in the B. Pharmacy program after giving due consideration to the syllabus prescribed by the KavayitriBahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra.



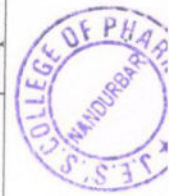
  
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The course outcomes are mapped with each program outcome; for each subject in the B. Pharmacy program. The rubrics for CO-PO mapping are defined as follows.

**Table 1.** Rubrics for CO-PO mapping.

Sr. No	Program Outcomes	Correlation levels 1, 2 or 3, as defined below:			1: Slight(Low)
		3: Substantial(High)	2: Moderate(Medium)		
1	<b>Pharmacy Knowledge</b>	The graduate student shall exhibit knowledge in the field of pharmacy and allied subjects of life sciences.	The graduate student shall exhibit knowledge in the field of pharmacy.	The graduate student shall exhibit knowledge in the field of allied subjects of life sciences.	The graduate student shall exhibit knowledge in the field of allied subjects of life sciences.
2	<b>Planning Ability</b>	The graduate students will exhibit ability of understanding, and offer remedial solutions in pharmaceutical industries, health sectors.	The graduate students will exhibit ability of understanding the scenario in pharmaceutical industries, health sectors.	The graduate students will exhibit ability of learning the scenario in pharmaceutical industries, health sectors.	The graduate students will exhibit ability of learning the scenario in pharmaceutical industries, health sectors.
3	<b>Problem Analysis</b>	The graduate students will exhibit the ability to conduct, analyze and understand the scientific data of pharmaceutical industries in area of Manufacturing, Quality control, Quality Assurance, Marking Management and Clinical Research.	The graduate students will exhibit the ability to conduct the scientific data of pharmaceutical industries in area of Manufacturing, Quality control, Quality Assurance, Marking Management and Clinical Research.	The graduate students will exhibit the ability to understand the scientific data of pharmaceutical industries in area of Manufacturing, Quality Assurance, Marking Management and Clinical Research.	The graduate students will exhibit the ability to understand the scientific data of pharmaceutical industries in area of Manufacturing, Quality Assurance, Marking Management and Clinical Research.
4	<b>Modern Tool Usage</b>	The graduate students will exhibit the ability to learn, select and apply appropriate procedure, resources in the area of Manufacturing, Marketing and Quality control. The graduate students will implement newly implemented software to solve the problems in the above areas.	The graduate students will exhibit the ability to learn, select and apply appropriate procedure, resources in the area of Manufacturing, Marketing and Quality control.	The graduate students will exhibit the ability to learn and select appropriate procedure, resources in the area of Manufacturing, Marketing and Quality control.	The graduate students will exhibit the ability to learn and select appropriate procedure, resources in the area of Manufacturing, Marketing and Quality control.
5	<b>Leadership Skills</b>	The graduate students will exhibit the ability to understand and consider the human reply, leadership and team building as and when the planning changes which is required for accomplishment in the area of Manufacturing, Marketing and Quality control and Assurance, practice, professional and societal responsibilities.	The graduate students will exhibit the ability to understand the leadership and team building as and when the planning change which is required for accomplishment in the area of Manufacturing, Marketing and Quality control and Assurance, practice, professional and societal responsibilities.	The graduate students will exhibit the ability to learn the leadership and team building, required for accomplishment in the area of Manufacturing, Marketing and Quality control and Assurance, practice, professional and societal responsibilities.	The graduate students will exhibit the ability to learn the leadership and team building, required for accomplishment in the area of Manufacturing, Marketing and Quality control and Assurance, practice, professional and societal responsibilities.



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6	<b>Professional Identity</b>	Understand, analyze and communicate the value of their professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employers, employees)	Understand and analyze the value of their professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employers, employees)	Understand the value of their professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employers, employees)
7	<b>Pharmaceutical Ethics</b>	The graduate students shall maintain the high professional identity and render the services in the society as per the ethics and moral value given in Pharmacy oath and pharmaceutical jurisprudence	The graduate students shall understand professional identity so that they can render the services in the society as per the ethics and moral value given in Pharmacy oath and pharmaceutical jurisprudence	The graduate students will learn about professional identity required to render the services in the society as per the ethics and moral value given in Pharmacy oath and pharmaceutical jurisprudence
8	<b>Communication</b>	The graduate students will be able to communicate the policies of the industries, academic and healthcare departments to the society through effective communication through verbal and written.	The graduate students will be able to understand the policies of the industries, academic and healthcare departments in order to communicate to the society.	The graduate students will be able to learn the policies of the industries, academic and healthcare departments.
9	<b>Pharmacist and Society</b>	The graduate students will apply reasoning informed appropriate knowledge to improve the drug safety and action through patient counseling.	The graduate students will understand reasoning and appropriate knowledge required to improve the drug safety and action through patient counseling.	The graduate students will learn reasoning and appropriate knowledge required to improve the drug safety and action through patient counseling.
10	<b>Environment and Sustainability</b>	The graduate students will understand and communicate the importance of professional pharmacy practice solutions in society and environment issues.	The graduate students will understand the importance of professional pharmacy practice solutions in society and environment issues.	The graduate students will learn the importance of professional pharmacy practice solutions in society and environment issues.
11	<b>Lifelong learning</b>	The graduate students will exhibit confidence for self education and ability for lifelong learning.	The graduate students will be motivated for self education and ability for lifelong learning.	The graduate students will understand the importance of self education and ability for lifelong learning.

If there is no correlation, put '-'



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Table 2. CO-PO Mapping

Course code/Course title	Course outcomes	Program outcome										
		1	2	3	4	5	6	7	8	9	10	11
Course code/Course title	CO1	a1	-	-	b1	-	c1	d1	-	e1	-	f1
	CO2	a2	-	-	b2	-	c2	d2	-	e2	-	f2
	CO3	a3	-	-	b3	-	c3	d3	-	e3	-	f3
	CO4	a4	-	-	b4	-	c4	d4	-	e4	-	f4
	CO5	a5	-	-	b5	-	c5	d5	-	e5	-	f5
	Average course outcomes = $\Sigma(ax:fx)/5= X(\max 3.00)$	$\Sigma(a1:a5)/5= ax$	-	-	bx	-		dx	-	ex	-	fx

Course-PO matrix of courses for all four years of study

In Table 2, the matrixing of course outcomes and program outcomes is attempted. This table contained several details and given for four semesters. The details of all semesters are abstracted, made concise analysis and documented in Table 3. All the information is consistent with the Table 2. For each course outcome, POs are assigned. Then each PO is averaged on the scale of 1 to 3 (slight to high) and reported. Then all such averages of each PO are again averaged to report course outcome averages, again on the scale of 1 to 3 (slight to high).

Table 3. Course-PO matrix of courses

Course code/ Course title	Program outcome											Average program outcomes (max 3.00)
	1	2	3	4	5	6	7	8	9	10	11	
Course code/Course title	ax	-	-	bx	-	cx	dx	-	ex	-	fx	X

Attainment of Course Outcomes (30)

Degree course B. Pharmacy is of 209credits during four year of B. Pharmacy (i.e. Eight Semesters).The evaluation of the student is strictly based on "Credit-Grade based



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Performance and Assessment System (CGPAS)". The data was collected from final marksheet of the students. The details are given in the following table:

Internal assessment: Continuous mode

The marks allocated for Continuous mode of Internal Assessment is awarded as per the scheme given below.

Table X. Scheme for awarding internal assessment: Continuous mode

Theory		
Criteria	Max. Marks	Min. Marks
Attendance	4	2
Academic activities (Average of any 3 activities e.g. quiz, assignment, open book test, field work, group discussion and seminar)	3	1.5
Student - Teacher interaction	3	1.5
<b>Total</b>	<b>10</b>	<b>5</b>
Practical		
Attendance (Refer Table - XII)		2
Based on Practical Records, Regular viva voce, etc.		3
<b>Total</b>		<b>5</b>

Table- XII: Guidelines for the allotment of marks for attendance

Percentage Attendance	Theory	Practical
95 - 100	4	2
90 - 94	3	1.5
85 - 89	2	1
80 - 84	1	0.5
Less than 80	0	0

Sessional Exams

Two Sessional exams are conducted for each theory / practical course as per the schedule fixed by the college. The scheme of question paper for theory and practical Sessional examinations is given below. The average marks of two Sessional exams are computed for internal assessment as per the requirements given in tables - X. Sessional exam shall be conducted for 30 marks for



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theory and shall be computed for 15 marks. Similarly Sessional exam for practical shall be conducted for 40 marks and shall be computed for 10 marks.

Question paper pattern for theory Sessional examinations

For subjects having University examination

I. Multiple Choice Questions (MCQs) = 10 x 1 = 10

OR

Objective Type Questions (5 x 2) = 05 x 2 = 10

(Answer all the questions)

I. Long Answers (Answer 1 out of 2) = 1 x 10 = 10

II. Short Answers (Answer 2 out of 3) = 2 x 5 = 10

Total = 30 marks

For subjects having Non University Examination

I. Long Answers (Answer 1 out of 2) = 1 x 10 = 10

II. Short Answers (Answer 4 out of 6) = 4 x 5 = 20

Total = 30 marks

Question paper pattern for practical Sessional examinations

I. Synopsis = 10

II. Experiments = 25

III. Viva voce = 05

Total = 40 marks

Question paper pattern for end semester theory examinations

For 75 marks paper

I. Multiple Choice Questions (MCQs) = 20 x 1 = 20

OR

Objective Type Questions (10 x 2) = 10 x 2 = 20

(Answer all the questions)

II. Long Answers (Answer 2 out of 3) = 2 x 10 = 20

III. Short Answers (Answer 7 out of 9) = 7 x 5 = 35

Total = 75 marks

For 50 marks paper

I. Long Answers (Answer 2 out of 3) = 2 x 10 = 20

II. Short Answers (Answer 6 out of 8) = 6 x 5 = 30



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Total = 50 marks  
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**For 35 marks paper**

I. Long Answers (Answer 1 out of 2) = 1 x 10 = 10

II. Short Answers (Answer 5 out of 7) = 5 x 5 = 25

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Total = 35 marks  
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**Question paper pattern for end semester practical examinations**

I. Synopsis = 5

II. Experiments = 25

III. Viva voce = 5

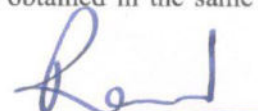
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Total = 35 marks  
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**Promotion and award of grades**

A student shall be declared PASS and eligible for getting grade in a course of B. Pharm .Program if he/she secures at least 50% marks in that particular course including internal assessment. For example, to be declared as PASS and to get grade, the student has to secure a minimum of 50 marks for the total of 100 including continuous mode of assessment and end semester theory examination and has to secure a minimum of 25marks for the total 50 including internal assessment and end semester practical examination. The Semester Theory has 100 marks each for every subject of eight semesters divided as follows- 75 marks for University Exam. + 25 marks for Internal Exam. The marks obtained out of 100 marks in the Final University Semester Exam are converted in to **Grade and Grade Points** for Theory of each Subject. And the semester Practical Examination has 100 marks each for every subject of eight semesters divided as follows- 35 marks for University Exam. + 15 marks for Internal Exam. The marks obtained out of 50 marks in the Final University Semester Exam are converted in to **Grade and Grade Points** for Practicals of each Subject.

In the present analysis, the targets for assessment were set using the standards prescribed by the Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon is as follows. The Grade point obtained for each subject is given on the total marks (Sum of mark obtained in Internal Theory/ Practical and university Theory/ Practical Examination) obtained in the same



  
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subject. Therefore, to determine attainment of course outcome of all subjects we have considered marks obtained by students in together of Internal and University term end examination. The marks ledger was provided by Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon and the targets for assessment were set using following standards.

- > 70% marks, attainment level is 3 (substantial)
- 60 to 69% marks, attainment level is 2 (moderate)
- 50 to 59% marks, attainment level is 1 (low)

The number of students of all the above three categories are considered the calculations for these parameters are as follows. We have prepared complete data using similar formulae.

Table. 4

Course title	(>70%) Attainment level is 3	(60-69%) Attainment level is 2	(50-59%) Attainment level is 1	Total Students
No of students	A	B	C	D
No of students × value	(A × 3)	(B × 2)	(C × 1)	
Total	(A × 3) + (B × 2) + (C × 1) = E			
Ratio	E/D=F			

Table 5. The above calculated values are tabulated as follows

Course code	Course title	Ratio
Course code	Course title	F (table 4)
Theoretical attainment = X (From table 3)		
% attainment of outcomes = (F / X) × 100= Y%		
or Z (against the scale Max = 3)		

Similar calculations are made for all courses. Thus, attainable outcomes and attained outcomes are matrixed to obtain the percent attainment.

Table 6. Course Outcome Attainment:

Consolidated Attainment					
Course Code	Course title	Attainment Level		% Attainment	Attainment in scale 3
		Acheived	Required		
Course Code	Course title	F	X	Y	Z



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# COLLEGE OF PHARMACY

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**Performance and Assessment System (CGPAS)**". The data was collected from final marksheet of the students. The details are given in the following table:

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**Question paper pattern for theory Sessional examinations**

**For subjects having University examination**

I. Multiple Choice Questions (MCQs) = 10 x 1 = 10

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Objective Type Questions (5 x 2) = 05 x 2 = 10

(Answer all the questions)

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Total = 30 marks

**For subjects having Non University Examination**

I. Long Answers (Answer 1 out of 2) = 1 x 10 = 10

II. Short Answers (Answer 4 out of 6) = 4 x 5 = 20

-----  
Total = 30 marks

**Question paper pattern for practical Sessional examinations**

I. Synopsis = 10

II. Experiments = 25

III. Viva voce = 05

Total = 40 marks

**Question paper pattern for end semester theory examinations**

**For 75 marks paper**

I. Multiple Choice Questions (MCQs) = 20 x 1 = 20

OR

Objective Type Questions (10 x 2) = 10 x 2 = 20

(Answer all the questions)

II. Long Answers (Answer 2 out of 3) = 2 x 10 = 20

III. Short Answers (Answer 7 out of 9) = 7 x 5 = 35

-----  
Total = 75 marks

**For 50 marks paper**

I. Long Answers (Answer 2 out of 3) = 2 x 10 = 20

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Total = 50 marks  
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**For 35 marks paper**

I. Long Answers (Answer 1 out of 2) = 1 x 10 = 10

II. Short Answers (Answer 5 out of 7) = 5 x 5 = 25

-----  
Total = 35 marks  
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**Question paper pattern for end semester practical examinations**

I. Synopsis = 5

II. Experiments = 25

III. Viva voce = 5

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Total = 35 marks  
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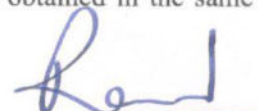
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Ratio	E/D=F			

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% attainment of outcomes = (F / X) × 100= Y%		
or Z (against the scale Max = 3)		

Similar calculations are made for all courses. Thus, attainable outcomes and attained outcomes are matrixed to obtain the percent attainment.

Table 6. Course Outcome Attainment:

Consolidated Attainment					
Course Code	Course title	Attainment Level		% Attainment	Attainment in scale 3
		Acheived	Required		
Course Code	Course title	F	X	Y	Z



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Attainment of Program Outcomes

The assessment tools and processes to gather data was mentioned above. The course outcomes are mapped for each program outcome. The attainments of course outcomes achieved are translated into program outcomes based on the CO-PO Matrixes.

Assessment process:

The external assessment in both theory and practical is done by KBC North Maharashtra University, Jalgaon and therefore those assessment papers are with the university itself. We could not map marks obtained in each question with all the POs and doing mapping of the marks obtained in internal assessment is not justifiable because the student has to secure a minimum of 50% marks in each course for the total of 100 including internal assessment and end semester examination. Hence we had calculated percent attainment of all the POs based on the marks obtained by the students in their final mark sheet in each course.

Table 7. The evaluation result of each PO is performed based on the student performance. The attainment level of each PO is assessed by considering the average for all courses.

Table with 4 rows and 12 columns. Columns include Course Code / Course Name, Program outcome (1-11), and calculation formulas for attainment percentages.



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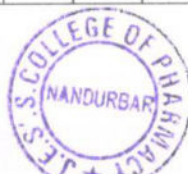
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**Table 8. Attainment of Programe Outcomes for the academic year 2020-2021**

Course code	Name of the course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP101T	Human Anatomy & Physiology-I	3.00	1.25	1.00	0.00	0.00	1.50	1.50	0.00	2.00	1.50	2.75
BP102T	Pharmaceutical Analysis-I	3.00	3.04	3.04	2.23	2.02	1.21	2.02	1.42	2.43	2.43	2.02
BP103T	Pharmaceutics-I	3.00	2.97	3.06	2.51	3.06	2.78	3.06	0.00	2.51	2.78	2.78
BP104T	Pharmaceutical Inorganic Chemistry	3.00	0.00	1.60	1.00	0.00	2.00	2.00	0.00	2.00	1.40	3.00
BP105T	Communication Skills	0.00	3.00	2.00	2.00	3.00	1.00	2.00	3.00	0.00	2.00	3.00
BP107P	Human Anatomy & Physiology	3.00	1.25	1.25	0.00	0.00	1.50	1.75	0.00	2.75	2.00	2.75
BP108P	Pharmaceutical Analysis-I	3.00	2.40	2.40	2.60	2.40	1.80	1.80	1.80	1.60	2.80	2.40
BP109P	Pharmaceutics-I	3.00	2.75	2.75	2.75	2.50	2.50	2.50	0.00	2.50	2.75	3.00
BP110P	Pharmaceutical Inorganic Chemistry	3.00	2.00	2.25	0.00	0.00	2.00	2.00	1.00	2.00	2.00	3.00
BP111P	Communication Skills	0.00	3.00	2.00	2.00	3.00	2.00	2.00	3.00	1.00	2.00	3.00
BP201T	Human Anatomy & Physiology-II	3.00	1.00	2.00	0.00	0.00	1.25	1.00	0.00	2.00	1.25	2.75
BP202T	Pharmaceutical Organic Chemistry-I	3.00	1.00	2.25	2.00	1.00	1.00	2.00	1.00	3.00	1.00	3.00
BP203T	Biochemistry	3.00	0.00	2.00	0.00	1.00	2.00	2.00	0.00	2.00	2.00	2.00
BP204T	Pathophysiology	3.00	1.00	1.00	0.00	1.00	3.00	2.00	1.00	3.00	3.00	3.00
BP205T	Computer Applications in Pharmacy	2.50	3.00	3.00	3.00	2.50	2.00	2.75	2.50	3.00	3.00	3.00
BP206	Environmental sciences	0.00	1.98	1.98	1.98	0.00	0.00	2.97	0.00	0.00	2.97	2.97
BP207P	Human Anatomy & Physiology	3.00	1.25	1.25	0.00	0.00	1.50	2.00	0.00	2.75	2.00	2.75
BP208P	Pharmaceutical Organic Chemistry	3.00	2.00	3.00	3.00	2.00	2.00	2.00	1.00	3.00	3.00	3.00
BP209P	Biochemistry	3.00	2.00	2.00	1.00	2.00	2.00	2.00	1.00	2.00	3.00	3.00
BP210P	Computer Applications in Pharmacy	2.50	3.00	3.00	3.00	2.50	2.00	3.00	2.50	3.00	2.50	3.00
BP301T	Pharmaceutical Organic Chemistry-II	3.00	0.00	0.00	1.00	1.00	2.00	2.00	0.00	2.00	2.00	3.00
BP302T	Physical Pharmaceutics-I	3.00	2.00	2.00	2.00	0.00	2.40	1.80	2.00	2.00	2.00	3.00
BP303T	Pharmaceutical Microbiology	3.00	1.00	2.00	1.00	1.00	2.00	2.00	2.00	3.00	3.00	2.00
BP304T	Pharmaceutical Engineering	3.00	2.67	2.67	2.60	2.50	2.50	2.67	2.67	2.50	2.60	2.60
BP305P	Pharmaceutical Organic Chemistry-II	3.00	2.00	3.00	1.00	1.00	2.00	2.00	1.00	2.00	2.00	3.00
BP306P	Physical Pharmaceutics-I	3.00	3.00	2.75	0.00	2.00	2.00	0.00	3.00	2.00	3.00	3.00
BP307P	Pharmaceutical Microbiology	3.00	3.00	2.00	2.00	1.00	2.00	3.00	2.00	3.00	3.00	3.00
BP308P	Pharmaceutical Engineering	3.00	2.00	3.00	2.00	1.00	3.00	2.00	3.00	0.00	2.00	3.00
BP401T	Pharmaceutical Organic	3.00	0.00	2.00	1.00	1.00	2.00	2.00	0.00	2.00	2.00	3.00



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## Jijamata Education Society's

**PRESIDENT**

**Smt. Shobhatai D. More**

Tele Fax : Ph.02564-232685 (R)

**FOUNDER PRESIDENT**

**Late. Dr. Dileep More**

	Chemistry-III											
BP402T	Medicinal Chemistry-I	3.00	1.00	2.00	1.00	1.00	2.00	2.00	1.00	3.00	2.00	3.00
BP403T	Physical Pharmaceutics-II	3.00	1.67	2.00	2.00	0.00	3.00	2.00	2.00	0.00	2.00	3.00
BP404T	Pharmacology-I	3.00	1.00	3.00	3.00	1.60	1.20	2.00	3.00	3.00	2.00	3.00
BP405T	Pharmacognosy & Phytochemistry-I	3.00	3.00	2.00	2.75	1.50	3.00	1.00	0.00	3.00	2.75	3.00
BP406P	Medicinal Chemistry-I	3.00	2.00	2.00	1.00	2.00	2.00	2.00	2.00	3.00	3.00	3.00
BP407P	Physical Pharmaceutics-II	3.00	3.00	3.00	2.00	2.00	3.00	2.00	2.00	2.00	3.00	3.00
BP408P	Pharmacology-I	3.00	1.50	3.00	1.75	3.00	3.00	2.50	1.75	2.00	2.00	3.00
BP409P	Pharmacognosy & Phytochemistry-I	3.00	2.00	2.00	1.25	1.75	1.25	2.00	2.00	1.00	1.50	3.00
BP501T	Medicinal Chemistry-II	3.00	1.00	0.00	0.00	0.00	2.00	2.00	1.00	3.00	2.00	3.00
BP502T	Industrial Pharmacy-I	3.00	2.00	2.00	3.00	1.00	2.00	2.00	0.00	3.00	2.00	3.00
BP503T	Pharmacology-II	3.00	1.40	1.80	3.00	1.60	3.00	2.00	1.60	1.40	1.60	3.00
BP504T	Pharmacognosy Phytochemistry-II	3.00	2.50	3.00	3.00	1.25	2.25	2.50	0.00	2.75	2.50	3.00
BP505T	Pharmaceutical Jurisprudence	3.00	0.00	2.20	2.40	1.00	2.00	3.00	2.00	2.20	0.00	2.80
BP506P	Industrial Pharmacy-I	3.00	3.00	3.00	3.00	1.00	1.00	3.00	0.00	3.00	1.00	3.00
BP507P	Pharmacology-II	3.00	2.50	1.75	3.00	1.75	2.00	3.00	1.50	3.00	2.50	3.00
BP508P	Pharmacognosy & Phytochemistry-II	3.00	3.00	2.00	3.00	0.00	2.00	1.75	1.50	3.00	2.50	3.00
BP601T	Medicinal Chemistry-III	3.00	1.00	1.00	2.00	0.00	2.00	2.00	1.00	2.50	2.00	3.00
BP602T	Pharmacology-III	3.00	2.50	2.50	3.00	1.25	3.00	2.75	2.00	3.00	2.25	3.00
BP603T	Herbal Drug Technology	3.00	1.50	3.00	3.00	1.25	1.50	2.25	1.00	2.00	2.50	3.00
BP604T	Biopharmaceutics & Pharmacokinetics	3.00	2.33	2.50	1.75	0.00	1.75	2.25	0.00	2.00	0.00	3.00
BP605T	Pharmaceutical Biotechnology	3.00	2.50	2.00	3.00	2.00	2.00	3.00	0.00	2.00	3.00	3.00
BP606T	Quality Assurance	3.00	2.50	2.00	0.00	3.00	3.00	1.00	3.00	1.00	2.00	3.00
BP607P	Medicinal Chemistry-III	2.75	2.00	2.00	3.00	2.00	2.00	2.00	1.00	3.00	3.00	3.00
BP608P	Pharmacology-III	2.75	3.00	3.00	3.00	1.00	2.50	3.00	3.00	1.50	1.50	3.00
BP609P	Herbal Drug Technology	3.00	3.00	2.00	2.75	0.00	2.75	1.75	2.75	2.00	2.75	3.00
BP701T	Instrumental Methods of Analysis	3.00	2.00	3.00	2.40	2.20	1.40	2.00	2.00	2.00	2.20	3.00
BP702T	Industrial Pharmacy-II	3.00	2.25	2.50	2.00	1.50	3.00	2.00	2.00	1.00	0.00	3.00
BP703T	Pharmacy Practice	3.00	0.00	0.00	0.00	0.00	3.00	2.00	0.00	3.00	3.00	3.00
BP704T	Novel Drug Delivery System	3.00	3.00	2.00	2.50	0.00	2.50	3.00	0.00	3.00	2.50	1.25
BP705P	Instrumental Methods of Analysis	3.00	3.00	3.00	2.25	1.50	1.00	2.00	2.00	2.00	2.00	3.00
BP706PS	Practice School	3.00	2.00	2.25	2.25	2.50	2.00	2.00	2.00	0.00	1.75	3.00



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**FOUNDER PRESIDENT**

**Late. Dr. Dileep More**

	Chemistry-III											
BP402T	Medicinal Chemistry-I	3.00	1.00	2.00	1.00	1.00	2.00	2.00	1.00	3.00	2.00	3.00
BP403T	Physical Pharmaceutics-II	3.00	1.67	2.00	2.00	0.00	3.00	2.00	2.00	0.00	2.00	3.00
BP404T	Pharmacology-I	3.00	1.00	3.00	3.00	1.60	1.20	2.00	3.00	3.00	2.00	3.00
BP405T	Pharmacognosy & Phytochemistry-I	3.00	3.00	2.00	2.75	1.50	3.00	1.00	0.00	3.00	2.75	3.00
BP406P	Medicinal Chemistry-I	3.00	2.00	2.00	1.00	2.00	2.00	2.00	2.00	3.00	3.00	3.00
BP407P	Physical Pharmaceutics-II	3.00	3.00	3.00	2.00	2.00	3.00	2.00	2.00	2.00	3.00	3.00
BP408P	Pharmacology-I	3.00	1.50	3.00	1.75	3.00	3.00	2.50	1.75	2.00	2.00	3.00
BP409P	Pharmacognosy & Phytochemistry-I	3.00	2.00	2.00	1.25	1.75	1.25	2.00	2.00	1.00	1.50	3.00
BP501T	Medicinal Chemistry-II	3.00	1.00	0.00	0.00	0.00	2.00	2.00	1.00	3.00	2.00	3.00
BP502T	Industrial Pharmacy-I	3.00	2.00	2.00	3.00	1.00	2.00	2.00	0.00	3.00	2.00	3.00
BP503T	Pharmacology-II	3.00	1.40	1.80	3.00	1.60	3.00	2.00	1.60	1.40	1.60	3.00
BP504T	Pharmacognosy Phytochemistry-II	3.00	2.50	3.00	3.00	1.25	2.25	2.50	0.00	2.75	2.50	3.00
BP505T	Pharmaceutical Jurisprudence	3.00	0.00	2.20	2.40	1.00	2.00	3.00	2.00	2.20	0.00	2.80
BP506P	Industrial Pharmacy-I	3.00	3.00	3.00	3.00	1.00	1.00	3.00	0.00	3.00	1.00	3.00
BP507P	Pharmacology-II	3.00	2.50	1.75	3.00	1.75	2.00	3.00	1.50	3.00	2.50	3.00
BP508P	Pharmacognosy & Phytochemistry-II	3.00	3.00	2.00	3.00	0.00	2.00	1.75	1.50	3.00	2.50	3.00
BP601T	Medicinal Chemistry-III	3.00	1.00	1.00	2.00	0.00	2.00	2.00	1.00	2.50	2.00	3.00
BP602T	Pharmacology-III	3.00	2.50	2.50	3.00	1.25	3.00	2.75	2.00	3.00	2.25	3.00
BP603T	Herbal Drug Technology	3.00	1.50	3.00	3.00	1.25	1.50	2.25	1.00	2.00	2.50	3.00
BP604T	Biopharmaceutics & Pharmacokinetics	3.00	2.33	2.50	1.75	0.00	1.75	2.25	0.00	2.00	0.00	3.00
BP605T	Pharmaceutical Biotechnology	3.00	2.50	2.00	3.00	2.00	2.00	3.00	0.00	2.00	3.00	3.00
BP606T	Quality Assurance	3.00	2.50	2.00	0.00	3.00	3.00	1.00	3.00	1.00	2.00	3.00
BP607P	Medicinal Chemistry-III	2.75	2.00	2.00	3.00	2.00	2.00	2.00	1.00	3.00	3.00	3.00
BP608P	Pharmacology-III	2.75	3.00	3.00	3.00	1.00	2.50	3.00	3.00	1.50	1.50	3.00
BP609P	Herbal Drug Technology	3.00	3.00	2.00	2.75	0.00	2.75	1.75	2.75	2.00	2.75	3.00
BP701T	Instrumental Methods of Analysis	3.00	2.00	3.00	2.40	2.20	1.40	2.00	2.00	2.00	2.20	3.00
BP702T	Industrial Pharmacy-II	3.00	2.25	2.50	2.00	1.50	3.00	2.00	2.00	1.00	0.00	3.00
BP703T	Pharmacy Practice	3.00	0.00	0.00	0.00	0.00	3.00	2.00	0.00	3.00	3.00	3.00
BP704T	Novel Drug Delivery System	3.00	3.00	2.00	2.50	0.00	2.50	3.00	0.00	3.00	2.50	1.25
BP705P	Instrumental Methods of Analysis	3.00	3.00	3.00	2.25	1.50	1.00	2.00	2.00	2.00	2.00	3.00
BP706PS	Practice School	3.00	2.00	2.25	2.25	2.50	2.00	2.00	2.00	0.00	1.75	3.00



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**PRESIDENT**

**Smt. Shobhatai D. More**

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**FOUNDER PRESIDENT**

**Late. Dr. Dileep More**

<b>BP801T</b>	Biostatistics & Research Methodology	2.20	0.00	3.00	2.00	0.00	1.00	2.00	0.00	0.00	0.00	3.00
<b>BP802T</b>	Social & Preventive Pharmacy	2.60	1.00	1.00	1.00	1.00	2.80	2.40	2.40	3.00	2.20	2.00
<b>BP803ET (ET-I)</b>	Pharma Marketing Management	3.00	3.00	2.00	2.00	2.00	1.00	3.00	3.00	0.00	1.00	3.00
<b>BP811ET (ET-II)</b>	Advanced Instrumentation Techniques	3.00	3.00	2.75	2.00	1.50	2.00	3.00	1.00	2.25	2.50	3.00
<b>BP813PW</b>	Project Work	3.00	3.00	2.00	2.00	2.20	2.00	3.00	2.00	2.40	2.00	3.00
	<b>Average/3</b>	<b>2.74</b>	<b>1.89</b>	<b>2.10</b>	<b>1.77</b>	<b>1.25</b>	<b>1.97</b>	<b>2.10</b>	<b>1.29</b>	<b>2.05</b>	<b>2.05</b>	<b>2.79</b>
	<b>Percent Attainment (Direct method)</b>	<b>91.1</b>	<b>63.0</b>	<b>69.9</b>	<b>59.0</b>	<b>41.7</b>	<b>65.6</b>	<b>70.1</b>	<b>42.9</b>	<b>68.1</b>	<b>68.4</b>	<b>92.9</b>
		<b>9</b>	<b>4</b>	<b>0</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>8</b>	<b>8</b>	<b>0</b>	<b>5</b>



  
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**Table 9. Attainment of Programe outcomes for the academic year 2021-2022**

Course code	Name of the course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP101	Human Anatomy & Physiology-I	3.00	1.25	1.00	0.00	0.00	1.50	1.50	0.00	2.00	1.50	2.75
BP102	Pharmaceutical Analysis-I	2.16	2.16	2.16	1.58	1.44	0.86	1.44	1.01	1.73	1.73	1.44
BP103	Pharmaceutics-I	2.47	2.20	2.26	1.85	2.26	2.06	2.26	0.00	1.85	2.06	2.06
BP104	Pharmaceutical Inorganic Chemistry	2.78	0.00	1.48	0.93	0.00	1.85	1.85	0.00	1.85	1.30	2.78
BP105	Communication Skills	0.00	3.00	2.00	2.00	3.00	1.00	2.00	3.00	0.00	2.00	3.00
BP106	Human Anatomy & Physiology	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP107	Pharmaceutical Analysis-I	2.94	1.23	1.23	0.00	0.00	1.47	1.72	0.00	2.70	1.96	2.70
BP108	Pharmaceutics-I	2.79	2.23	2.23	2.42	2.23	1.67	1.67	1.67	1.49	2.60	2.23
BP109	Pharmaceutical Inorganic Chemistry	2.12	1.94	1.94	1.94	1.77	1.77	1.77	0.00	1.77	1.94	2.12
BP110	Communication Skills	2.85	1.90	2.14	0.00	0.00	1.90	1.90	0.95	1.90	1.90	2.85
BP111	Human Anatomy Physiology-II	0.00	2.44	1.63	1.63	2.44	1.63	1.63	2.44	0.81	1.63	2.44
BP112	Pharmaceutical Organic Chemistry-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP201	Biochemistry	2.29	0.76	1.53	0.00	0.00	0.95	0.76	0.00	1.53	0.95	2.10
BP202	Pathophysiology	1.24	0.41	0.93	0.83	0.41	0.41	0.83	0.41	1.24	0.41	1.24
BP203	Computer Applications in Pharmacy	1.18	0.00	0.79	0.00	0.39	0.79	0.79	0.00	0.79	0.79	0.79
BP204	Environmental sciences	1.91	0.64	0.64	0.00	0.64	1.91	1.27	0.64	1.91	1.91	1.91
BP205	Human Anatomy & Physiology	1.39	1.67	1.67	1.67	1.39	1.11	1.53	1.39	1.67	1.67	1.67
BP206	Pharmaceutical Organic Chemistry	0.00	2.00	2.00	2.00	0.00	0.00	3.00	0.00	0.00	3.00	3.00
BP207	Biochemistry	3.00	1.25	1.25	0.00	0.00	1.50	2.00	0.00	2.75	2.00	2.75
BP208	Computer Applications in Pharmacy	2.82	1.88	2.82	2.82	1.88	1.88	1.88	0.94	2.82	2.82	2.82
BP209	Pharmaceutical Organic Chemistry-I	2.82	1.88	1.88	0.94	1.88	1.88	1.88	0.94	1.88	2.82	2.82
BP210	Physical Pharmaceutics-I	2.50	3.00	3.00	3.00	2.50	2.00	3.00	2.50	3.00	2.50	3.00
BP301	Pharmaceutical	2.49	0.00	0.00	0.83	0.83	1.66	1.66	0.00	1.66	1.66	2.49



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	Microbiology											
<b>BP302</b>	Pharmaceutical Engineering	3.00	2.00	2.00	2.00	0.00	2.40	1.80	2.00	2.00	2.00	3.00
<b>BP303</b>	Pharmaceutical Organic Chemistry-II	3.00	1.00	2.00	1.00	1.00	2.00	2.00	2.00	3.00	3.00	2.00
<b>BP304</b>	Physical Pharmaceutics-I	2.88	2.56	2.56	2.50	2.40	2.40	2.56	2.56	2.40	2.50	2.50
<b>BP305</b>	Pharmaceutical Microbiology	3.00	2.00	3.00	1.00	1.00	2.00	2.00	1.00	2.00	2.00	3.00
<b>BP306</b>	Pharmaceutical Engineering	2.84	2.84	2.60	0.00	1.89	1.89	0.00	2.84	1.89	2.84	2.84
<b>BP307</b>	Pharmaceutical Organic Chemistry-III	2.30	2.30	1.53	1.53	0.77	1.53	2.30	1.53	2.30	2.30	2.30
<b>BP308</b>	Medicinal Chemistry-I	3.00	2.00	3.00	2.00	1.00	3.00	2.00	3.00	0.00	2.00	3.00
<b>BP401</b>	Physical Pharmaceutics-II	3.00	0.00	2.00	1.00	1.00	2.00	2.00	0.00	2.00	2.00	3.00
<b>BP402</b>	Pharmacology-I	0.50	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.50	0.33	0.50
<b>BP403</b>	Pharmacognosy & Phytochemistry-I	1.32	0.73	0.88	0.88	0.00	1.32	0.88	0.88	0.00	0.88	1.32
<b>BP404</b>	Medicinal Chemistry-I	2.57	0.86	2.57	2.57	1.37	1.03	1.71	2.57	2.57	1.71	2.57
<b>BP405</b>	Physical Pharmaceutics-II	1.14	1.14	0.76	1.05	0.57	1.14	0.38	0.00	1.14	1.05	1.14
<b>BP406</b>	Pharmacology-I	3.00	2.00	2.00	1.00	2.00	2.00	2.00	2.00	3.00	3.00	3.00
<b>BP407</b>	Pharmacognosy Phytochemistry-I	2.88	2.88	2.88	1.92	1.92	2.88	1.92	1.92	1.92	2.88	2.88
<b>BP408</b>	Medicinal Chemistry-II	3.00	1.50	3.00	1.75	3.00	3.00	2.50	1.75	2.00	2.00	3.00
<b>BP409</b>	Industrial Pharmacy-I	3.00	2.00	2.00	1.25	1.75	1.25	2.00	2.00	1.00	1.50	3.00
<b>BP501</b>	Pharmacology-II	1.09	0.36	0.00	0.00	0.00	0.73	0.73	0.36	1.09	0.73	1.09
<b>BP502</b>	Pharmacognosy & Phytochemistry-II	3.00	2.00	2.00	3.00	1.00	2.00	2.00	0.00	3.00	2.00	3.00
<b>BP503</b>	Pharmaceutical Jurisprudence	3.00	1.40	1.80	3.00	1.60	3.00	2.00	1.60	1.40	1.60	3.00
<b>BP504</b>	Industrial Pharmacy-I	3.00	2.50	3.00	3.00	1.25	2.25	2.50	0.00	2.75	2.50	3.00
<b>BP505</b>	Pharmacology-II	3.00	0.00	2.20	2.40	1.00	2.00	3.00	2.00	2.20	0.00	2.80
<b>BP506</b>	Pharmacognosy & Phytochemistry-II	2.90	2.90	2.90	2.90	0.97	0.97	2.90	0.00	2.90	0.97	2.90
<b>BP507</b>	Medicinal Chemistry-III	3.00	2.50	1.75	3.00	1.75	2.00	3.00	1.50	3.00	2.50	3.00
<b>BP508</b>	Pharmacology-III	3.00	3.00	2.00	3.00	0.00	2.00	1.75	1.50	3.00	2.50	3.00
<b>BP601</b>	Herbal Drug Technology	1.33	0.44	0.44	0.89	0.00	0.89	0.89	0.44	1.11	0.89	1.33
<b>BP602</b>	Biopharmaceutics &	1.94	1.62	1.62	1.94	0.81	1.94	1.78	1.29	1.94	1.46	1.94



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**Late. Dr. Dileep More**

	Pharmacokinetics											
<b>BP603</b>	Pharmaceutical Biotechnology	2.81	1.41	2.81	2.81	1.17	1.41	2.11	0.94	1.87	2.34	2.81
<b>BP604</b>	Quality Assurance	2.88	2.24	2.40	1.68	0.00	1.68	2.16	0.00	1.92	0.00	2.88
<b>BP605</b>	Medicinal chemistry-III	1.74	1.45	1.16	1.74	1.16	1.16	1.74	0.00	1.16	1.74	1.74
<b>BP606</b>	Pharmacology-III	1.97	1.64	1.31	0.00	1.97	1.97	0.66	1.97	0.66	1.31	1.97
<b>BP607</b>	Herbal Drug Technology	2.75	2.00	2.00	3.00	2.00	2.00	2.00	1.00	3.00	3.00	3.00
<b>BP608</b>	Instrumental Methods of Analysis	2.75	3.00	3.00	3.00	1.00	2.50	3.00	3.00	1.50	1.50	3.00
<b>BP609</b>	Industrial Pharmacy-II	2.81	2.81	1.87	2.58	0.00	2.58	1.64	2.58	1.87	2.58	2.81
<b>BP701</b>	Pharmacy Practice	3.00	2.00	3.00	2.40	2.20	1.40	2.00	2.00	2.00	2.20	3.00
<b>BP702</b>	Novel Drug Delivery System	3.00	2.25	2.50	2.00	1.50	3.00	2.00	2.00	1.00	0.00	3.00
<b>BP703</b>	Instrumental Methods of Analysis	2.78	0.00	0.00	0.00	0.00	2.78	1.85	0.00	2.78	2.78	2.78
<b>BP704</b>	Practice School	2.73	2.73	1.82	2.28	0.00	2.28	2.73	0.00	2.73	2.28	1.14
<b>BP705</b>	Biostatistics & Research Methodology	3.00	3.00	3.00	2.25	1.50	1.00	2.00	2.00	2.00	2.00	3.00
<b>BP706</b>	Human Anatomy & Physiology-I	2.33	1.55	1.75	1.75	1.94	1.55	1.55	1.55	0.00	1.36	2.33
<b>BP801</b>	Pharmaceutical Analysis-I	1.74	0.00	2.37	1.58	0.00	0.79	1.58	0.00	0.00	0.00	2.37
<b>BP802</b>	Social & Preventive Pharmacy	2.60	1.00	1.00	1.00	1.00	2.80	2.40	2.40	3.00	2.20	2.00
<b>Elective I</b>	Pharma Marketing Management	3.00	3.00	2.00	2.00	2.00	1.00	3.00	3.00	0.00	1.00	3.00
<b>Elective II</b>	Advanced Instrumentation Techniques	2.50	2.50	2.29	1.67	1.25	1.67	2.50	0.83	1.88	2.08	2.50
<b>BP813PW</b>	Project Work	3.00	3.00	2.00	2.00	2.20	2.00	3.00	2.00	2.40	2.00	3.00
	<b>Average/3</b>	<b>2.33</b>	<b>1.64</b>	<b>1.82</b>	<b>1.54</b>	<b>1.08</b>	<b>1.66</b>	<b>1.81</b>	<b>1.14</b>	<b>1.72</b>	<b>1.74</b>	<b>2.38</b>
	<b>Percent Attainment (Direct method)</b>	<b>77.53</b>	<b>54.79</b>	<b>60.54</b>	<b>51.19</b>	<b>35.91</b>	<b>55.38</b>	<b>60.29</b>	<b>37.85</b>	<b>57.32</b>	<b>58.03</b>	<b>79.30</b>



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Table 10. Attainment of Programe outcomes for the academic year 2022-23

Course code	Name of the course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP101	Human Anatomy & Physiology-I	0.56	0.23	0.19	0.00	0.00	0.28	0.28	0.00	0.37	0.28	0.51
BP102	Pharmaceutical Analysis-I	0.58	0.58	0.58	0.43	0.39	0.23	0.39	0.27	0.46	0.46	0.39
BP103	Pharmaceutics-I	1.17	1.04	1.07	0.88	1.07	0.98	1.07	0.00	0.88	0.98	0.98
BP104	Pharmaceutical Inorganic Chemistry	0.91	0.00	0.49	0.30	0.00	0.61	0.61	0.00	0.61	0.42	0.91
BP105	Communication Skills	0.00	2.66	1.77	1.77	2.66	0.89	1.77	2.66	0.00	1.77	2.66
BP107	Human Anatomy Physiology	3.00	1.25	1.25	0.00	0.00	1.50	1.75	0.00	2.75	2.00	2.75
BP108	Pharmaceutical Analysis-I	3.00	2.40	2.40	2.60	2.40	1.80	1.80	1.80	1.60	2.80	2.40
BP109	Pharmaceutics-I	2.73	2.50	2.50	2.50	2.28	2.28	2.28	0.00	2.28	2.50	2.73
BP110	Pharmaceutical Inorganic Chemistry	3.00	2.00	2.25	0.00	0.00	2.00	2.00	1.00	2.00	2.00	3.00
BP111	Communication Skills	0.00	3.00	2.00	2.00	3.00	2.00	2.00	3.00	1.00	2.00	3.00
BP201	Human Anatomy & Physiology-II	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP202	Pharmaceutical Organic Chemistry-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP203	Biochemistry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP204	Pathophysiology	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP205	Computer Applications in Pharmacy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP206	Environmental Sciences	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP207	Human Anatomy & Physiology-II	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP208	Pharmaceutical Organic Chemistry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP209	Biochemistry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP210	Computer Applications in Pharmacy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BP301	Pharmaceutical Organic Chemistry-II	2.03	0.00	0.00	0.68	0.68	1.35	1.35	0.00	1.35	1.35	2.03
BP302	Physical Pharmaceutics-I	1.86	1.24	1.24	1.24	0.00	1.49	1.12	1.24	1.24	1.24	1.86
BP303	Pharmaceutical Microbiology	1.86	0.62	1.24	0.62	0.62	1.24	1.24	1.24	1.86	1.86	1.24
BP304	Pharmaceutical Engineering	1.56	1.39	1.39	1.35	1.30	1.30	1.39	1.39	1.30	1.35	1.35
BP305	Pharmaceutical Organic Chemistry-II	3.00	2.00	3.00	1.00	1.00	2.00	2.00	1.00	2.00	2.00	3.00
BP306	Physical Pharmaceutics-I	3.00	3.00	2.75	0.00	2.00	2.00	0.00	3.00	2.00	3.00	3.00
BP307	Pharmaceutical Microbiology	3.00	3.00	2.00	2.00	1.00	2.00	3.00	2.00	3.00	3.00	3.00
BP308	Pharmaceutical Engineering	3.00	2.00	3.00	2.00	1.00	3.00	2.00	3.00	0.00	2.00	3.00
BP401	Pharmaceutical Organic Chemistry-III	1.80	0.00	1.20	0.60	0.60	1.20	1.20	0.00	1.20	1.20	1.80
BP402	Medicinal Chemistry-I	1.39	0.46	0.93	0.46	0.46	0.93	0.93	0.46	1.39	0.93	1.39
BP403	Physical Pharmaceutics-II	0.95	0.53	0.63	0.63	0.00	0.95	0.63	0.63	0.00	0.63	0.95
BP404	Pharmacology-I	1.10	0.37	1.10	1.10	0.59	0.44	0.73	1.10	1.10	0.73	1.10
BP405	Pharmacognosy & Phytochemistry-I	1.88	1.88	1.25	1.72	0.94	1.88	0.63	0.00	1.88	1.72	1.88



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BP406	Medicinal Chemistry-I	3.00	2.00	2.00	1.00	2.00	2.00	2.00	2.00	3.00	3.00	3.00
BP407	Physical Pharmaceutics-II	3.00	3.00	3.00	2.00	2.00	3.00	2.00	2.00	2.00	3.00	3.00
BP408	Pharmacology-I	3.00	1.50	3.00	1.75	3.00	3.00	2.50	1.75	2.00	2.00	3.00
BP409	Pharmacognosy and Phytochemistry-I	3.00	2.00	2.00	1.25	1.75	1.25	2.00	2.00	1.00	1.50	3.00
BP501	Medicinal Chemistry-II	1.24	0.41	0.00	0.00	0.00	0.83	0.83	0.41	1.24	0.83	1.24
BP502	Industrial Pharmacy-I	1.41	0.94	0.94	1.41	0.47	0.94	0.94	0.00	1.41	0.94	1.41
BP503	Pharmacology-II	1.23	0.57	0.74	1.23	0.66	1.23	0.82	0.66	0.57	0.66	1.23
BP504	Pharmacognosy & Phytochemistry-II	1.51	1.26	1.51	1.51	0.63	1.13	1.26	0.00	1.38	1.26	1.51
BP505	Pharmaceutical Jurisprudence	1.43	0.00	1.05	1.14	0.48	0.95	1.43	0.95	1.05	0.00	1.33
BP506	Industrial Pharmacy-I	3.00	3.00	3.00	3.00	1.00	1.00	3.00	0.00	3.00	1.00	3.00
BP507	Pharmacology-II	3.00	2.50	1.75	3.00	1.75	2.00	3.00	1.50	3.00	2.50	3.00
BP508	Pharmacognosy & Phytochemistry-II	3.00	3.00	2.00	3.00	0.00	2.00	1.75	1.50	3.00	2.50	3.00
BP601	Medicinal Chemistry-III	1.75	0.58	0.58	1.17	0.00	1.17	1.17	0.58	1.46	1.17	1.75
BP602	Pharmacology-III	0.99	0.83	0.83	0.99	0.41	0.99	0.91	0.66	0.99	0.74	0.99
BP603	Herbal Drug Technology	1.63	0.82	1.63	1.63	0.68	0.82	1.22	0.54	1.09	1.36	1.63
BP604	Biopharmaceutics & Pharmacokinetics	1.78	1.38	1.48	1.04	0.00	1.04	1.34	0.00	1.19	0.00	1.78
BP605	Pharmaceutical Biotechnology	1.51	1.26	1.01	1.51	1.01	1.01	1.51	0.00	1.01	1.51	1.51
BP606	Quality Assurance	1.76	1.47	1.17	0.00	1.76	1.76	0.59	1.76	0.59	1.17	1.76
BP607	Medicinal Chemistry-III	2.75	2.00	2.00	3.00	2.00	2.00	2.00	1.00	3.00	3.00	3.00
BP608	Pharmacology-III	2.75	3.00	3.00	3.00	1.00	2.50	3.00	3.00	1.50	1.50	3.00
BP609	Herbal Drug Technology	3.00	3.00	2.00	2.75	0.00	2.75	1.75	2.75	2.00	2.75	3.00
BP701	Instrumental Methods of Analysis	1.69	1.13	1.69	1.35	1.24	0.79	1.13	1.13	1.13	1.24	1.69
BP702	Industrial Pharmacy-II	1.87	1.40	1.56	1.25	0.94	1.87	1.25	1.25	0.62	0.00	1.87
BP703	Pharmacy Practice	1.32	0.00	0.00	0.00	0.00	1.32	0.88	0.00	1.32	1.32	1.32
BP704	Novel Drug Delivery System	1.65	1.65	1.10	1.38	0.00	1.38	1.65	0.00	1.65	1.38	0.69
BP705	Instrumental Methods of Analysis	3.00	3.00	3.00	2.25	1.50	1.00	2.00	2.00	2.00	2.00	3.00
BP706	Practice School	3.00	2.00	2.25	2.25	2.50	2.00	2.00	2.00	0.00	1.75	3.00
BP801	Biostatistics & Research Methodology	1.54	0.00	2.10	1.40	0.00	0.70	1.40	0.00	0.00	0.00	2.10
BP802	Social & Preventive Pharmacy	2.35	0.90	0.90	0.90	0.90	2.53	2.17	2.17	2.71	1.99	1.81
Elective I	Pharma Marketing Management	2.39	2.39	1.59	1.59	1.59	0.80	2.39	2.39	0.00	0.80	2.39
Elective II	Advanced Instrumentation Techniques	2.11	2.11	1.93	1.41	1.06	1.41	2.11	0.70	1.58	1.76	2.11
BP813PW	Project Work	3.00	3.00	2.00	2.00	2.20	2.00	3.00	2.00	2.40	2.00	3.00
	<b>Average/3</b>	<b>1.66</b>	<b>1.26</b>	<b>1.30</b>	<b>1.12</b>	<b>0.81</b>	<b>1.22</b>	<b>1.27</b>	<b>0.90</b>	<b>1.18</b>	<b>1.24</b>	<b>1.70</b>
	<b>Percent Attainment (Direct method)</b>	<b>55.24</b>	<b>41.92</b>	<b>43.31</b>	<b>37.34</b>	<b>27.11</b>	<b>40.54</b>	<b>42.36</b>	<b>30.10</b>	<b>39.38</b>	<b>41.22</b>	<b>56.74</b>

*Note: The Examinations of Semester II and Semester IV (Lateral entry students only) for the academic year 2022-2023 are yet to be taken by university.*



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