



**President :**  
**Shri Amrishbhai R. Patel**  
**M.L.A.**

**Principal :**  
**Dr. S. B. Bari**  
**M.Pharm. Ph.D., D.I.M.F.J.C.**

<b>Criteria: 2</b>	Teaching- Learning and Evaluation
<b>Key Indicator- 2.6</b>	Student Performance and Learning Outcome
<b>Metric No. 2.6.2</b>	Attainment of POs and COs are Evaluated.

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## CO Attainment

Data was collected from internal examinations (theory, practical, seminars, assignments and presentations) and university examinations (theory and practical). The details are given in the following tables. The university examinations are conducted at a centre other than this college. As per the KBCNMU, Jalgaon, regulations, (CGPA system, June 2012) the components allotted to theory are 20% and practical 20% for internal assessment. The remaining 80% (for both theory and practical) is included in university assessment. Therefore, the scope for assessment is narrow. In this framework, the college conducts the following components.

- Midterm tests
- Assignments
- Consideration of attendance.

The KBCNMU, Jalgaon has decided to implement the new syllabus prescribed by Pharmacy Council of India, known as: The Bachelor of Pharmacy (B. Pharm.) Course Regulations, 2014, from the academic year 2017-2018. The subjects for theory and practical are much similar but contents have been revised to some higher extent. The examination pattern was changed; the theory subject is divided as 75 marks for university exam (end semester exam) and 25 marks for sessional exam (internal exam) of total 100 marks. The practical of total 50 marks is divided as 35 marks for university exam (end semester exam) and 15 marks for sessional exam (internal exam). there are two sessional exams prescribed in new PCI syllabus for each semester.

The difference in marks is highlighted in below table:

SN	Mark as per CGPA Pattern			Mark as per new PCI Syllabus Pattern		
	Theory			Theory		
	End term Exam (University)	Internal (Sessional exam)	Total	End term Exam (University)	Internal (Sessional exam)	Total
1	80	20	100	75 (75%)	25 (25 %)	100
2	-	-	-	35 (70 %)	15 (30 %)	50
	Practical			Practical		
3	80	20	100	35 (70 %)	15 (30 %)	50
4	-	-		15 (60 %)	10 (40 %)	25

The internal assessment evaluation is separately compiled and graded to understand the process.

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Component	Components of Evaluation	Nature of exam
Theory	First sessional exam	MCQs, short essay and long essay questions
	Second sessional exam	MCQs, short essay and long essay questions
Practical	Daily evaluation	Planning, analysis of lab skills, finishing the experiment
	First and second practical sessional examination	Synopsis, spotting and <i>viva-voce</i> , major experiment and minor experiments
	Laboratory manual	Communication, data interpretation
Beyond syllabus	Conducting 1/2 experiments	Practical examination by KBCNMU appointed examiner
Overall evaluation	External exam – semester wise	Short essay and long essay questions, Communication, data interpretation

In the above context, the scores of the students are listed into different categories.

#### Semester End Assessment-Tools

Component	Name of the exams	Items used
Theory	University end exams	MCQs, short essays, long essays, numerical problems.
Practical	University end exams	Synopsis, spotting, major experiment, minor experiment, interpretation, data-analysis, viva-voce, communication.

The internal assessment evaluation is separately compiled and graded to understand the process. The attainment of course outcomes of all courses are given in the following section. The above description allows us to evaluate the course outcomes achieved. In the present analysis, the targets for assessment were set using the standards prescribed by the KBCNMU, Jalgaon, as follows:

1. First class with distinction > 70% marks, attainment level is 3 (substantial)
2. First class 60 to 69% marks, attainment level is 2 (moderate)
3. Pass class 50 to 59% marks, attainment level is 1 (low)

The same yardsticks are applied to both sessional and University results. The number of students of all the above three categories are considered (rather than the criteria: as 80% students scoring more than 70% marks of the relevant maximum marks (is considered) for the attainment of 3). The calculation is as follows.

#### A) The calculations for CGPA pattern (June 2012) is explained as:

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**Internal marks:** The total internal marks are 20% for theory as per KBCNMU, Jalgaon, regulations.

Example: B. Pharmacy **III year** course (subject) – Pharmaceutics -VI (Pharmaceutical technology-I) in **2018-19** year. The following are the marks of theory internal examination.

	First class with Distinction (>70%); Attainment level is 3	First class (60 to 69 %); Attainment level is 2	Pass class 40 to 59%); Attainment level is 1	Total students
No of students	54	2	7	64
No of students X value	$54 \times 3 = 162$	$2 \times 2 = 4$	$7 \times 1 = 7$	
Total	$162 + 4 + 7 = 173$			
Ratio	$173 / 64 = 2.70$			
Value 20% for internal exams	$2.70 \times 0.20 = 0.54$			

For the practical exams the internal marks are 20% as per KBCNMU, Jalgaon, regulations.

Example: B. Pharmacy **III year** course (subject) – Pharmaceutics -VI (Pharmaceutical technology-I) in **2017-18** year. The following are the marks of practical internal examination. The calculation is as follows.

	First class with Distinction (>70%); Attainment level is 3	First class (60 to 69 %); Attainment level is 2	Pass class 40 to 59%); Attainment level is 1	Total students
No of students	57	5	2	64
No of students (X) value	$57 \times 3 = 171$	$5 \times 2 = 10$	$2 \times 1 = 2$	
Total	183			
Ratio	$183 / 64 = 2.86$			
Value 20% for internal exams	$2.86 \times 0.20 = 0.57$			

For University theory exams, the University marks are 80% as per KBCNMU, Jalgaon, regulations. The university theory examinations are conducted at another examination centre. In other words, students of college do not write their theory examination in their parent college.







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Example: B. Pharmacy **III year** course (subject) – Pharmaceutics -VI (Pharmaceutical technology-I) in **2017-18** year. The following are the marks of theory university examination. The calculation is as follows.

	First class with Distinction (>70%); Attainment level is 3	First class (60 to 69 %); Attainment level is 2	Pass class 40 to 59%); Attainment level is 1	Total students
No of students	5	11	42	64
No of students (X) value	5 X 3= 15	11 X 2= 22	42 X 1= 42	
Total	15 + 22 + 42 = 79			
Ratio	79 / 64 = 1.23			
Value 80% for internal exams	1.23 X 0.80 = <b>0.99</b>			

For University practical exams, the University marks are 80% as per KBCNMU, Jalgaon regulations.

Example: B. Pharmacy **III year** course (subject) – Pharmaceutics -VI (Pharmaceutical technology-I) in **2018-19** year. The following are the marks of practical university examination. The calculation is as follows.

	First class with Distinction (>70%); Attainment level is 3	First class (60 to 69 %); Attainment level is 2	Pass class 50 to 59%); Attainment level is 1	Total students
No of students	60	4	0	64
No of students (X) value	60 X 3= 180	4 X 2= 8	0 X 1= 0	
Total	180 + 8 + 0 = 188			
Ratio	188 / 64 = 2.94			
Value 80% for internal exams	2.94 X 0.80 = <b>2.35</b>			

For conducting practical examination of university, external examiner is appointed by the KBCNMU, Jalgaon. The above calculated values are tabulated as follows:

Subject code	Subject name	University		Internal		Total
		100%	80%	100%	20%	

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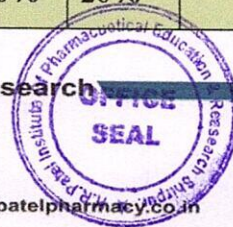
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T 2.3.1	Pharmaceutics -VI (Pharmaceutical technology-I)	1.23	0.99	2.70	0.54	<b>1.53</b>
Theoretical attainment = 1.97 % attainment of outcomes = $1.53 / 1.97 = 77.57\%$ or <b>2.33</b> (against the scale Max = 3)						
P 2.3.1	Pharmaceutics -VI (Pharmaceutical technology-I)	2.94	2.35	2.86	0.57	<b>2.92</b>
Theoretical attainment = 1.85 % attainment of outcomes = $2.92 / 1.85 = 100\%$ or <b>3.00</b> (against the scale Max = 3)						

**B) The calculations for PCI pattern (June 2017) is explained as:**

**Internal marks:** The total internal marks are 25 % for theory as per KBCNMU, Jalgaon, regulations.

Example: B. Pharmacy I year course (subject– Human Anatomy and Physiology I– (BP101T) in 2018-19 year. The following are the marks of theory internal examination.

	First class with Distinction (>70%); Attainment level is 3	First class (60 to 69 %); Attainment level is 2	Pass class 50 to 59%; Attainment level is 1	Total students
No of students	11	17	19	58
No of students X value	11 X 3= 33	17 X 2= 34	19 X 1= 19	
Total	33 + 34 + 19 = 86			
Ratio	$86 / 58 = 1.48$			
Value 20% for internal exams	$1.48 \times 0.25 = 0.37$			

For the practical exams the internal marks are 30 % as per KBCNMU, Jalgaon, regulations.

Example: B. Pharmacy I year course (subject– Human Anatomy and Physiology I– (BP107P) in 2017-18 year. The following are the marks of practical internal examination. The calculation is as follows.

	First class with Distinction (>70%); Attainment level is 3	First class (60 to 69 %); Attainment level is 2	Pass class 50 to 59%; Attainment level is 1	Total students
No of students	12	20	18	58







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No of students (X) value	12 X 3= 36	20 X 2 = 40	18 X 1 = 18	
Total	36 + 40 + 18 = 94			
Ratio	94 / 58 = 1.62			
Value 20% for internal exams	1.62 X 0.30 = 0.49			

For University theory exams, the University marks are 75 % as per KBCNMU, Jalgaon, regulations. The university theory examinations are conducted at another examination centre. In other words, students of college do not write their theory examination in their parent college.

Example: B. Pharmacy I year course (subject– Human Anatomy and Physiology I– (BP101T) in 2017-18 year. The following are the marks of theory university examination. The calculation is as follows.

	First class with Distinction (>70%); Attainment level is 3	First class (60 to 69 %); Attainment level is 2	Pass class 40 to 59%); Attainment level is 1	Total students
No of students	1	10	32	58
No of students (X) value	1 X 3= 3	10 X 2= 20	32 X 1= 32	
Total	3 + 20 + 32 = 55			
Ratio	55 / 58 = 0.95			
Value 80% for internal exams	0.95 X 0.75 = 0.72			

For University practical exams, the University marks are 70 % as per KBCNMU, Jalgaon regulations.

Example: B. Pharmacy I year course (subject– Human Anatomy and Physiology I– (BP107P) in 2017-18 year. The following are the marks of practical university examination. The calculation is as follows.

	First class with Distinction (>70%); Attainment level is 3	First class (60 to 69 %); Attainment level is 2	Pass class 50 to 59%); Attainment level is 1	Total students
No of students	39	9	5	58

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M.L.A.

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No of students (X) value	39 X 3= 117	9 X 2= 18	5 X 1= 5	
Total	117+ 18 + 5 = 140			
Ratio	140 / 58 = 2.41			
Value 80% for internal exams	2.41 X 0.70 = <b>1.69</b>			

For conducting practical examination of university, external examiner is appointed by the KBCNMU, Jalgaon. The above calculated values are tabulated as follows:

Assuming 80% weightage to University examination and 20% weightage to Internal assessment, the attainment calculations will be (80% of University level) + (20% of Internal level )  
i.e. 80% of 3 + 20 % of 3 = 2.4 + 0.6 = 3.0

Subject code	Subject name	University		Internal		Total
		100%	75%	100%	25%	
BP101T	Human Anatomy and Physiology I- Theory	0.95	0.72	1.48	0.37	<b>1.09</b>
	Theoretical attainment = 1.95 % attainment of outcomes = 1.09 / 1.95 = 55.89% or <b>1.67</b> (against the scale Max = 3)					
BP107P	Human Anatomy and Physiology I- Practical	2.41	1.69	1.62	0.49	<b>2.18</b>
	Theoretical attainment = 1.48 % attainment of outcomes = 2.18 / 1.48 = 100 % or <b>3.00</b> (against the scale Max = 3)					

Similar calculations are made for all courses for all academic years 2017, 2018-19, 2019-20, 2020-21 and 2021-22. The details of all courses are given below for all subjects. Thus, attainable outcomes and attained outcomes are matrixes to obtain as the percentage attainment.



  
**PRINCIPAL**  
H.R. Patel Institute of Pharmaceutical  
Education & Research  
Shirpur Dist. Dhule (M.S) 425 405

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# Evaluation of Course Outcome Attainment

## Course Outcome Attainment - University + Internal Marks (2017-18)

S N	Course code	Course name	University attainment		Sessional attainment		Attainment level		%Attai nment (Achiev ed / require d) X 100	Attain ment in scale 3
			100%	80% (100 % X 0.8)	100%	20% (100% X 0.2)	Achieve d	Require d		
<b>B. Pharmacy First Year I Semester</b>										
1	BP101T	Human Anatomy and Physiology I- Theory	0.95	0.76	1.48	0.30	1.06	1.95	54.11	1.62
2	BP102T	Pharmaceutical Analysis I - Theory	1.16	0.92	2.14	0.43	1.35	2.08	64.99	1.95
3	BP103T	Pharmaceutics I - Theory	1.71	1.37	2.17	0.43	1.80	1.88	95.74	2.87
4	BP104T	Pharmaceutical Inorganic Chemistry - Theory	1.16	0.92	1.71	0.34	1.27	1.95	64.90	1.95
5	BP105T	Communication skills - Theory	2.12	1.70	1.90	0.38	2.08	2.42	85.78	2.57
6	BP106RBT	Remedial Biology Theory	3.00	2.40	3.00	0.60	3.00	2.48	100.00	3.00
7	BP106RMT	Remedial Mathematics Theory	1.21	0.97	1.86	0.37	1.34	2.01	100.00	3.00
8	BP107P	Human Anatomy and Physiology - Practical	2.41	1.93	1.62	0.32	2.26	1.48	100.00	3.00
9	BP108P	Pharmaceutical Analysis I - Practical	2.67	2.14	1.90	0.38	2.52	1.89	100.00	3.00
6	BP109P	Pharmaceutics I - Practical	2.50	2.00	2.64	0.53	2.53	1.89	100.00	3.00
11	BP110P	Pharmaceutical Inorganic	2.57	2.06	2.71	0.54	2.60	2.28	100.00	3.00

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		Chemistry –Practical								
12	BP111P	Communication skills – Practical	2.64	2.11	2.72	0.54	2.66	2.14	100.00	3.00
13	BP112RBP	Remedial Biology – Practical	3.00	2.40	3.00	0.60	3.00	2.43	100.00	3.00
<b>B. Pharmacy First Year II Semester</b>										
14	BP201T	Human Anatomy and Physiology II – Theory	0.89	0.72	2.12	0.42	1.14	1.55	73.57	2.21
15	BP202T	Pharmaceutical Organic Chemistry I – Theory	0.96	0.77	2.33	0.47	1.24	2.48	49.94	1.50
16	BP203T	Biochemistry – Theory	1.33	1.07	2.37	0.47	1.54	2.11	73.00	2.19
17	BP204T	Pathophysiology – Theory	1.14	0.91	1.49	0.30	1.21	1.73	69.97	2.10
18	BP205T	Computer Applications in Pharmacy – Theory	2.46	1.96	2.11	0.42	2.39	1.70	100.00	3.00
19	BP206T	Environmental sciences – Theory	1.00	0.80	2.18	0.44	1.24	1.79	69.00	2.07
20	BP207P	Human Anatomy and Physiology II –Practical	2.25	1.80	1.79	0.36	2.15	1.78	100.00	3.00
21	BP208P	Pharmaceutical Organic Chemistry I- Practical	2.46	1.96	2.74	0.55	2.51	2.44	102.96	3.09
22	BP209P	Biochemistry – Practical	2.58	2.06	2.58	0.52	2.58	2.23	100.00	3.00
23	BP210P	Computer Applications in Pharmacy – Practical	2.70	2.16	2.67	0.53	2.69	2.34	100.00	3.00
24	5555	Env Studies	1.54	1.24	2.74	0.55	1.78	2.16	82.52	2.48
<b>B. Pharmacy Second Year III Semester</b>										
25	T 2.3.1	Pharmaceutics -III (I Physical Pharmacy-I)	1.23	0.99	2.70	0.54	1.53	1.97	77.57	2.33
26	P 2.3.1	Pharmaceutics -III (I Physical Pharmacy-I)	2.94	2.35	2.86	0.57	2.92	1.85	100.00	3.00
27	T 2.32.	Pharmaceutical Chemistry-IV	1.00	0.80	1.98	0.40	1.20	2.31	51.81	1.55

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		(Organic Chemistry - II)								
28	P 2.32.	Pharmaceutical Chemistry-IV (Organic Chemistry - II)	2.34	1.88	2.48	0.50	2.37	2.36	100.50	3.02
29	T 2.3.3.	Pharmacognosy -II	1.09	0.88	1.91	0.38	1.26	2.03	61.88	1.86
30	P 2.3.3.	Pharmacognosy -II	2.17	1.74	2.20	0.44	2.18	2.09	100.00	3.00
31	T 2.3.4.	Pharmaceutical Analysis - I	1.16	0.93	2.00	0.40	1.33	2.41	54.98	1.65
32	P 2.3.4.	Pharmaceutical Analysis - I	2.39	1.91	2.36	0.47	2.38	2.54	93.87	2.82
33	T 2.3.5	A P HE-II	1.30	1.04	2.00	0.40	1.44	1.50	95.83	2.88
34	P 2.3.5	A P HE-II	2.11	1.69	2.55	0.51	2.20	2.09	100.00	3.00
35	T.2.3.6	Pathophysiology of Common Diseases-I	1.11	0.89	1.45	0.29	1.18	1.53	77.00	2.31
<b>B. Pharmacy Second Year IV Semester</b>										
36	T.2.4.1.	Pharmaceutics-IV (Physical Pharmacy-II)	1.42	1.14	2.31	0.46	1.60	1.92	83.33	2.50
37	P.2.4.1.	Pharmaceutics-IV (Physical Pharmacy-II)	2.97	2.38	2.91	0.58	2.96	1.85	100.00	3.00
38	T.2.4.2.	Pharmaceutical Microbiology	1.58	1.26	1.55	0.31	1.57	2.44	64.42	1.93
39	P.2.4.2.	Pharmaceutical Microbiology	2.20	1.76	2.55	0.51	2.27	2.23	101.88	3.06
40	T.2.4.3.	Pharmacognosy - III	1.19	0.95	2.00	0.40	1.35	2.23	60.54	1.82
41	P.2.4.3.	Pharmacognosy - III	2.41	1.93	1.84	0.37	2.29	2.05	100.00	3.00
42	T.2.4.4.	Pharmaceutics -V (Hospital Pharmacy)	1.64	1.31	2.48	0.50	1.81	2.22	81.50	2.45
43	P.2.4.4.	Pharmaceutics -V (Hospital Pharmacy)	2.66	2.13	2.92	0.58	2.71	2.25	100.00	3.00
44	T.2.4.5.	Pharmaceutical Chemistry - V (Biochemistry)	0.97	0.78	2.22	0.44	1.22	2.12	57.49	1.72
45	P.2.4.5.	Pharmaceutical Chemistry - V	2.63	2.10	2.77	0.55	2.65	2.29	100.00	3.00

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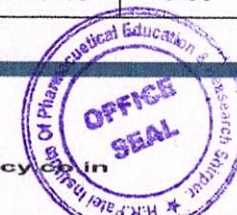
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President :  
Shri Amrishbhai R. Patel  
M.L.A.

Principal :  
Dr. S. B. Bari  
M.Pharm. Ph.D., D.I.M.F.J.C.

		(Biochemistry)								
46	T.2.4.6.	Pathophysiology of Common Diseases-II	1.31	1.05	2.06	0.41	1.46	1.74	84.05	2.52
<b>B. Pharmacy Third Year V Semester</b>										
47	T 3.5.1.	Pharmaceutical Chemistry – VI (Medicinal Chemistry - I)	1.03	0.83	1.39	0.28	1.10	2.28	48.46	1.45
48	P 3.5.1.	Pharmaceutical Chemistry – VI (Medicinal Chemistry - I)	2.79	2.23	2.87	0.57	2.80	2.35	100.00	3.00
49	T 3.5.2.	Pharmaceutics – VI (Pharmaceutical Technology I)	1.11	0.89	2.49	0.50	1.39	1.91	72.78	2.18
50	P 3.5.2.	Pharmaceutics – VI (Pharmaceutical Technology I)	2.21	1.77	2.67	0.53	2.30	1.81	100.00	3.00
51	T 3.5.3.	Pharmacology – I	0.97	0.77	2.00	0.40	1.17	1.91	61.45	1.84
52	P 3.5.3.	Pharmacology – I	2.84	2.27	2.43	0.49	2.75	1.95	100.00	3.00
53	T 3.5.4.	Pharmacognosy –IV	0.98	0.79	1.80	0.36	1.15	2.05	55.98	1.68
54	P 3.5.4.	Pharmacognosy –IV	2.64	2.11	2.85	0.57	2.68	2.05	100.00	3.00
55	T 3.5.5.	Pharmaceutical Analysis-II	0.97	0.77	1.93	0.39	1.16	2.28	50.91	1.53
56	P 3.5.5.	Pharmaceutical Analysis-II	2.11	1.69	2.54	0.51	2.20	2.46	89.43	2.68
<b>B. Pharmacy Third Year VI Semester</b>										
57	T 3.6.1.	Pharmaceutical Chemistry - VII (Medicinal Chemistry -II)	0.92	0.73	1.62	0.32	1.06	2.15	49.26	1.48
58	P 3.6.1.	Pharmaceutical Chemistry – VII (Medicinal Chemistry - II)	2.72	2.18	2.80	0.56	2.74	2.30	100.00	3.00
59	T 3.6.2.	Pharmaceutics –VII (Biopharmaceutics & Pharmacokinetics)	1.05	0.84	2.05	0.41	1.25	1.57	79.57	2.39
60	P.3.6.2.	Pharmaceutics –VII	2.72	2.18	2.36	0.47	2.65	1.85	100.00	3.00

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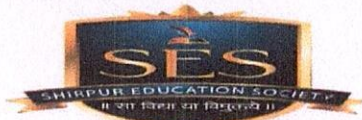
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		(Biopharmaceutics & Pharmacokinetics)								
61	T.3.6.3.	Pharmacology –II	0.98	0.79	1.93	0.39	1.17	1.95	60.19	1.81
62	P 3.6.3.	Pharmacology –II	2.75	2.20	2.44	0.49	2.69	1.95	100.00	3.00
63	T 3.6.4.	Pharmacognosy - V (Chemistry of Natural Products)	0.92	0.73	1.61	0.32	1.06	2.05	51.50	1.54
64	P 3.6.4.	Pharmacognosy - V (Chemistry of Natural Products)	2.00	1.60	1.98	0.40	2.00	2.05	100.00	3.00
65	T 3.6.5.	Pharmaceutical Jurisprudence & Ethics	1.28	1.02	1.54	0.31	1.33	2.33	57.13	1.71
66	3.6.6	Project report	2.49	1.99	0.00	0.00	1.99	2.05	100.00	3.00
<b>B. Pharmacy Fourth Year VII Semester</b>										
67	T 4.7.1.	Pharmaceutics – VIII (Pharmaceutical Technology - II)	1.25	1.00	1.95	0.39	1.39	2.02	68.95	2.07
68	P. 4.7.1.	Pharmaceutics – VIII (Pharmaceutical Technology - II)	2.24	1.79	2.51	0.50	2.29	2.32	98.75	2.96
69	T 4.7.2.	Pharmaceutical Chemistry- VIII (Medicinal Chemistry – III)	1.13	0.90	1.25	0.25	1.15	2.22	51.92	1.56
70	P 4.7.2	Pharmaceutical Chemistry-VIII (Medicinal Chemistry – III)	2.91	2.33	2.67	0.53	2.86	2.09	100.00	3.00
71	T 4.7.3.	Pharmacology –III	1.29	1.03	1.71	0.34	1.37	1.95	70.49	2.11
72	P 4.7.3.	Pharmacology –III	2.96	2.37	2.29	0.46	2.83	2.05	100.00	3.00
73	T.4.7.4.	Pharmaceutical Analysis-III	1.11	0.89	1.73	0.35	1.23	1.85	66.63	2.00
74	P.4.7.4.	Pharmaceutical Analysis-III	2.85	2.28	2.82	0.56	2.85	1.90	100.00	3.00
75	T 4.7.5.	Pharmaceutical Biotechnology	1.67	1.34	1.47	0.29	1.63	2.01	81.23	2.44
76	T 4.7.6.	Pharmaceutical Industrial Management	1.22	0.97	1.33	0.27	1.24	2.41	51.45	1.54

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B. Pharmacy Fourth Year VIII Semester										
77	T4.8. 1.	Pharmaceutics – IX	1.31	1.05	1.80	0.36	1.41	1.89	74.46	2.23
78	P4.8. 1.	Pharmaceutics – IX	2.69	2.15	2.95	0.59	2.74	2.56	100.00	3.00
79	T 4.8.2.	Pharmaceutical Analysis – IV	1.27	1.02	1.62	0.32	1.34	1.89	71.00	2.13
80	P 4.8.2.	Pharmaceutical Analysis – IV	2.91	2.33	3.00	0.60	2.93	1.76	100.00	3.00
81	T 4.8.3.	Pharmaceutical Chemistry-IX (Medicinal Chemistry- IV)	1.09	0.87	1.25	0.25	1.12	2.31	48.64	1.46
82	P 4.8.3.	Pharmaceutical Chemistry-IX (Medicinal Chemistry- IV)	2.73	2.18	2.22	0.44	2.63	2.21	100.00	3.00
83	T 4.8.4.	Pharmacognosy – VI	1.24	0.99	2.05	0.41	1.40	2.05	68.29	2.05
84	P.4.8.4.	Pharmacognosy – VI	2.65	2.12	2.51	0.50	2.63	2.05	100.00	3.00
85	T.4.8.5.	Pharmacology - IV (Clinical Pharmacy & Drug Interactions)	1.38	1.11	2.31	0.46	1.57	1.94	80.79	2.42
86	T.4.8.6.	Pharma Marketing (Theory)	1.58	1.27	2.87	0.57	1.84	2.00	92.00	2.76
87	P.4.8.7.1	Industrial Training Report	2.8	2.24	0.00	0.00	2.24	2.21	100.00	3.00



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### Course Outcome Attainment - University + Internal Marks (2018-19)

SN	Course code	Course name	University attainment		Sessional attainment		Attainment level		% Attainment (Achieved / required) X 100	Attainment in scale 3
			100 %	75% (100 % X 0.75)	100%	25% (100% X 0.25)	Achieved	Required		
<b>B. Pharmacy First Year I Semester</b>										
1	BP101 T	Human Anatomy and Physiology I	1.08	0.81	1.58	0.395	1.205	2.08	57.93	1.73
2	BP102 T	Pharmaceutical Analysis-I	0.43	0.3225	2.46	0.615	0.9375	2.25	41.66	1.25
3	BP103 T	Pharmaceutics I	1	0.75	2.75	0.6875	1.4375	2.2	65.34	1.96
4	BP104 T	Pharmaceutical Inorganic Chemistry	0.95	0.7125	2.06	0.515	1.2275	1.2	100	3
5	BP105T	Communication skills	1.98	1.485	1.98	0.495	1.98	2.6	76.15	2.28
6	BP106 RBT	Remedial Biology	2.5	1.875	3	0.75	2.625	2.25	100	3
7	BP107 P	Human Anatomy and Physiology	2.44	1.708	2.52	0.756	2.464	1.81	100	3
8	BP108 P	Pharmaceutical Analysis I	2.61	1.827	2.78	0.834	2.661	2.23	100	3
9	BP109 P	Pharmaceutics I	2.75	1.925	2.93	0.879	2.804	2.71	100	3
10	BP110 P	Pharmaceutical Inorganic Chemistry	2.55	1.785	2.83	0.849	2.634	1.14	100	3
11	BP111 P	Communication Skills	2.41	1.687	2.85	0.855	2.542	2.5	100	3
12	BP112	Remedial Biology	3	2.1	3	0.9	3	2.25	100	3
<b>B. Pharmacy First Year II Semester</b>										
13	BP201 T	Human Anatomy and Physiology II	1.62	1.215	2.08	0.52	1.735	1.55	100	3
14	BP202 T	Pharmaceutical Organic Chemistry I	0.62	0.465	2.63	0.6575	1.1225	2.48	45.26	1.35
15	BP203 T	Biochemistry	1	0.75	2.75	0.6875	1.4375	2.11	68.12	

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16	BP204 T	Pathophysiology	1.34	1.005	2.37	0.5925	1.5975	1.73	92.34	2.77
17	BP205 T	Computer Applications in Pharmacy	0.91	0.6825	2.6	0.65	1.3325	1.7	78.38	2.35
18	BP207 P	Human Anatomy and Physiology II	2.37	1.659	2.86	0.858	2.517	1.93	100	3
19	BP208 P	Pharmaceutical Organic Chemistry I	2.7	1.89	2.81	0.843	2.733	2.44	100	3
20	BP209 P	Biochemistry	2.96	2.072	2.77	0.831	2.903	2.23	100	3
21	BP210 P	Computer Applications in Pharmacy	2.96	2.072	3	0.9	2.972	2.46	100	3
<b>B. Pharmacy Second Year III Semester</b>										
22	BP301 T	Pharmaceutical Organic Chemistry II	0.92	0.69	2.7	0.675	1.365	2.18	62.61	1.87
23	BP302 T	Physical Pharmaceutics I	2.13	1.5975	2.41	0.6025	2.2	2.37	92.82	2.78
24	BP303 T	Pharmaceutical Microbiology	1.32	0.99	2.58	0.645	1.635	2	81.75	2.45
25	BP304 T	Pharmaceutical Engineering	1.86	1.395	2.34	0.585	1.98	1.94	100	3
26	5555	Environmental Science	3	2.25	3	0.75	3	2.37	100	3
27	BP305P	Pharmaceutical Organic Chemistry II	2.41	1.687	2.89	0.867	2.554	2.35	100	3
28	BP306P	Physical Pharmaceutics I	2.26	1.582	2.89	0.867	2.449	2	100	3
29	BP307P	Pharmaceutical Microbiology	2.31	1.617	2.64	0.792	2.409	2.66	90.56	2.71
30	BP 308P	Pharmaceutical Engineering	2.79	1.953	2.65	0.795	2.748	2.44	100	3
<b>B. Pharmacy Second Year IV Semester</b>										
31	BP401 T	Pharmaceutical Organic Chemistry III	1.09	0.8175	2.72	0.68	1.4975	2.08	71.99	2.15
32	BP402 T	Medicinal Chemistry I	0.53	0.3975	2.5	0.625	1.0225	2.12	48.23	1.44
33	BP403T	Physical Pharmaceutics II	1.72	1.29	2.65	0.6625	1.9525	2.37	82.38	2.47
34	BP404T	Pharmacology I	1.01	0.7575	2.4	0.6	1.3575	1.95	69.61	2.08
35	BP405T	Pharmacognosy and Phytochemistry I	0.89	0.6675	2.71	0.6775	1.345	2.26	59.51	1.78
36	BP406P	Medicinal Chemistry I	2.56	1.708	2.89	0.867	2.575	2.71	95.01	2.85
37	BP407P	Physical Pharmaceutics II	2.86	1.708	2.95	0.885	2.593	2.2	100	3
38	BP408P	Pharmacology I	2.63	1.708	2.46	0.738	2.446	2.32	100	3
39	BP409P	Pharmacognosy and Phytochemistry I	2.8	1.708	2.77	0.831	2.539	2.66	95.45	2.86

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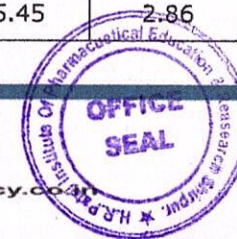
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B. Pharmacy Third Year V Semester										
40	T 3.5.1.	Pharmaceutical Chemistry – VI (Medicinal Chemistry - I)	0.51	0.408	1.89	0.378	0.786	1.33	59.09	1.77
41	P 3.5.1.	Pharmaceutical Chemistry – VI (Medicinal Chemistry - I)	2.45	1.96	2.66	0.532	2.492	2.02	100	3
42	T 3.5.2.	Pharmaceutics – VI (Pharmaceutical Technology I)	1.37	1.096	2.74	0.548	1.644	2.35	69.95	2.09
43	P 3.5.2.	Pharmaceutics – VI (Pharmaceutical Technology I)	2.5	2	2.46	0.492	2.492	2.22	100	3
44	T 3.5.3.	Pharmacology – I	0.95	0.76	1.07	0.214	0.974	1.27	76.69	2.30
45	P 3.5.3.	Pharmacology – I	2.27	1.816	2.34	0.468	2.284	1.95	100	3
46	T 3.5.4.	Pharmacognosy –IV	0.65	0.52	1.74	0.348	0.868	2.25	38.57	1.15
47	P 3.5.4.	Pharmacognosy –IV	2.03	1.624	2.89	0.578	2.202	1.85	100	3
48	T 3.5.5.	Pharmaceutical Analysis-II	0.77	0.616	1.69	0.338	0.954	2.28	41.84	1.25
49	P 3.5.5.	Pharmaceutical Analysis-II	2.5	2	2.59	0.518	2.518	2.01	100	3
B. Pharmacy Third Year VI Semester										
50	T 3.6.1.	Pharmaceutical Chemistry - VII (Medicinal Chemistry -II)	0.52	0.416	1.72	0.344	0.76	2.15	35.34	1.06
51	P 3.6.1.	Pharmaceutical Chemistry – VII (Medicinal Chemistry - II)	2.63	2.104	2.72	0.544	2.648	2.41	100	3
52	T 3.6.2.	Pharmaceutics –VII (Biopharmaceutics & Pharmacokinetics)	1	0.8	2.75	0.55	1.35	1.57	85.98	2.57
53	P. 3.6.2.	Pharmaceutics –VII (Biopharmaceutics & Pharmacokinetics)	2.67	2.136	2.92	0.584	2.72	1.89	100	3
54	T. 3.6.3.	Pharmacology –II	0.5	0.4	2.15	0.43	0.83	1.95	42.56	1.27
55	P 3.6.3.	Pharmacology –II	2.38	1.904	2.66	0.532	2.436	1.89	100	3
56	T 3.6.4.	Pharmacognosy - V (Chemistry of Natural Products)	0.73	0.584	1.63	0.326	0.91	2.05	44.39	1.33
57	P 3.6.4.	Pharmacognosy - V (Chemistry of Natural Products)	2.55	2.04	2.83	0.566	2.606	2.31	100	3
58	T 3.6.5.	Pharmaceutical Jurisprudence & Ethics	0.86	0.688	1.16	0.232	0.92	2.33	39.48	1.18
59	3.6.6	Project report	2.5	2	3	0.6	2.6	2.05	100	

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B. Pharmacy Final Year VII Semester										
60	T 4.7.1.	Pharmaceutics – VIII (Pharmaceutical Technology - II)	1.16	0.928	1.71	0.342	1.27	2.02	62.87	1.88
61	P. 4.7.1.	Pharmaceutics – VIII (Pharmaceutical Technology - II)	2.67	2.136	2.74	0.548	2.684	2.21	100	3
62	T 4.7.2.	Pharmaceutical Chemistry- VIII (Medicinal Chemistry – III)	1.22	0.976	0.71	0.142	1.118	2.22	50.36	1.51
63	P 4.7.2	Pharmaceutical Chemistry-VIII (Medicinal Chemistry – III)	2.66	2.128	2.28	0.456	2.584	2.09	100	3
64	T 4.7.3.	Pharmacology –III	0.57	0.456	2.16	0.432	0.888	1.95	45.53	1.36
65	P 4.7.3.	Pharmacology –III	2.44	1.952	1.94	0.388	2.34	2.33	100	3
66	T.4.7.4.	Pharmaceutical Analysis-III	0.91	0.728	0.81	0.162	0.89	1.85	48.10	1.44
67	P.4.7.4.	Pharmaceutical Analysis-III	2.79	2.232	2.61	0.522	2.754	2	100	3
68	T 4.7.5.	Pharmaceutical Biotechnology	0.77	0.616	1.77	0.354	0.97	2.01	48.25	1.44
69	T 4.7.6.	Pharmaceutical Industrial Management	1.16	0.928	0.64	0.128	1.056	1.85	57.08	1.71
B. Pharmacy Final Year VIII Semester										
70	T 4.8. 1.	Pharmaceutics – IX	1.06	0.848	2.59	0.518	1.366	1.89	72.27	2.16
71	P 4.8. 1.	Pharmaceutics – IX	2.88	2.304	2.83	0.566	2.87	2.3	100	3
72	T 4.8.2.	Pharmaceutical Analysis – IV	0.55	0.44	1.42	0.284	0.724	1.89	38.30	1.14
73	P 4.8.2.	Pharmaceutical Analysis – IV	2.91	2.328	2.61	0.522	2.85	2.14	100	3
74	T 4.8.3.	Pharmaceutical Chemistry-IX (Medicinal Chemistry- IV)	0.49	0.392	0.81	0.162	0.554	2.31	23.98	0.71
75	P 4.8.3.	Pharmaceutical Chemistry-IX (Medicinal Chemistry- IV)	2.88	2.304	2.45	0.49	2.794	2.21	100	3
76	T 4.8.4.	Pharmacognosy – VI	1.16	0.928	1.61	0.322	1.25	2.05	60.97	1.82
77	P. 4.8.4.	Pharmacognosy – VI	2.1	1.68	3	0.6	2.28	2.25	100	3
78	T.4.8.5.	Pharmacology - IV (Clinical Pharmacy & Drug Interactions)	1.2	0.96	2.72	0.544	1.504	1.94	77.52	2.32
79	T.4.8.6.	Pharma Marketing	0.84	0.672	0.16	0.032	0.704	1.86	37.84	1.13
80	P.4.8.7. 1	Industrial Training Report	2.5	2	3	0.6	2.6	2.21	100	3

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@ <http://www.hrpatelpharmacy.co.in> @ [principal@hrpatelpharmacy.co.in](mailto:principal@hrpatelpharmacy.co.in), [registrar@hrpatelpharmacy.co.in](mailto:registrar@hrpatelpharmacy.co.in)







President :  
Shri Amrishbhai R. Patel  
M.L.A.

Principal :  
Dr. S. B. Bari  
M.Pharm. Ph.D., D.I.M.F.J.C.

### Course Outcome Attainment - University + Internal Marks (2019-20)

S N	Course code	Course name	University attainment		Sessional attainment		Attainment level		%Attainment (Achieved / required) X 100	Attainment in scale 3
			100%	75% (100% X 0.75)	100%	25% (100% X 0.25)	Achieved	Required		
<b>B. Pharmacy First Year I Semester</b>										
1	BP101 T	Human Anatomy and Physiology I	1.32	0.99	1.59	0.40	1.39	2.08	66.71	2.00
2	BP102 T	Pharmaceutical Analysis-I	0.59	0.44	2.66	0.67	1.11	2.25	49.22	1.48
3	BP103 T	Pharmaceutics I	1.27	0.95	2.77	0.69	1.65	2.20	74.77	2.24
4	BP104 T	Pharmaceutical Inorganic Chemistry	0.55	0.41	2.44	0.61	1.02	1.20	85.21	2.56
5	BP105T	Communication skills	2.54	1.91	2.48	0.62	2.53	2.60	97.12	2.91
6	BP106 RBT	Remedial Biology		2.41		2.55	4.96	2.25	100.00	3.00
7	BP107 P	Human Anatomy and Physiology	2.2	1.54	2.69	0.81	2.35	1.81	100.00	3.00
8	BP108 P	Pharmaceutical Analysis I	2.91	2.04	2.97	0.89	2.93	2.23	100.00	3.00
9	BP109 P	Pharmaceutics I	2.73	1.91	2.98	0.89	2.81	2.71	100.00	3.00
10	BP110 P	Pharmaceutical Inorganic Chemistry	2.7	1.89	2.95	0.89	2.78	1.14	100.00	3.00
11	BP111 P	Communication Skills	2.81	1.97	2.91	0.87	2.84	2.50	100.00	3.00
12	BP112	Remedial Biology	2.27	1.59	2.8	0.84	2.43	2.25	100.00	3.00
<b>B. Pharmacy First Year II Semester</b>										

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13	BP201 T	Human Anatomy and Physiology II	2.45	1.84	2.74	0.69	2.52	1.55	100.00	3.00
14	BP202 T	Pharmaceutical Organic Chemistry I	2.48	1.86	2.77	0.69	2.55	2.48	100.00	3.00
15	BP203 T	Biochemistry	2.52	1.89	2.89	0.72	2.61	2.11	100.00	3.00
16	BP204 T	Pathophysiology	2.57	1.93	2.9	0.73	2.65	1.73	100.00	3.00
17	BP205 T	Computer Applications in Pharmacy	0.44	0.33	2.83	0.71	1.04	1.70	61.03	1.83
18	BP207 P	Human Anatomy and Physiology II	2.44	1.71	2.87	0.86	2.57	1.93	100.00	3.00
19	BP208 P	Pharmaceutical Organic Chemistry I	2.38	1.67	2.78	0.83	2.50	2.44	100.00	3.00
20	BP209 P	Biochemistry	2.5	1.75	3	0.90	2.65	2.23	100.00	3.00
21	BP210 P	Computer Applications in Pharmacy	2.41	1.69	3	0.90	2.59	2.46	100.00	3.00
<b>B. Pharmacy Second Year III Semester</b>										
22	BP301 T	Pharmaceutical Organic Chemistry II	1.15	0.86	2.84	0.71	1.57	2.18	72.13	2.16
23	BP302 T	Physical Pharmaceutics I	1.66	1.25	2.87	0.72	1.96	2.37	82.81	2.48
24	BP303 T	Pharmaceutical Microbiology	1.34	1.01	2.93	0.73	1.74	2.00	86.88	2.61
25	BP304 T	Pharmaceutical Engineering	0.93	0.70	2.77	0.69	1.39	1.94	71.65	2.15
26	5555	Environmental Science	2.34	1.87	2.67	0.53	2.41	2.37	100.00	3.00
27	BP305P	Pharmaceutical Organic Chemistry II	2.78	1.95	2.87	0.86	2.81	2.35	100.00	3.00
28	BP306P	Physical Pharmaceutics I	3	2.10	3	0.90	3.00	2.00	100.00	3.00
29	BP307P	Pharmaceutical Microbiology	2.8	1.96	2.87	0.86	2.82	2.66	100.00	3.00
30	BP 308P	Pharmaceutical Engineering	2.89	2.02	3	0.90	2.92	2.44	100.00	3.00
<b>B. Pharmacy Second Year IV Semester</b>										
31	BP401 T	Pharmaceutical Organic Chemistry III	2.72	2.04	2.9	0.73	2.77	2.08	100.00	3.00

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32	BP402 T	Medicinal Chemistry I	2.66	2.00	2.84	0.71	2.71	2.12	100.00	3.00
33	BP403T	Physical Pharmaceutics II	2.77	2.08	3	0.75	2.83	2.37	100.00	3.00
34	BP404T	Pharmacology I	2.62	1.97	2.77	0.69	2.66	1.95	100.00	3.00
35	BP405T	Pharmacognosy and Phytochemistry I	2.71	2.03	2.89	0.72	2.76	2.26	100.00	3.00
36	BP406P	Medicinal Chemistry I	2.74	1.92	2.93	0.88	2.80	2.71	100.00	3.00
37	BP407P	Physical Pharmaceutics II	2.75	1.93	3	0.90	2.83	2.20	100.00	3.00
38	BP408P	Pharmacology I	2.57	1.80	2.77	0.83	2.63	2.32	100.00	3.00
39	BP409P	Pharmacognosy and Phytochemistry I	2.71	1.90	2.98	0.89	2.79	2.66	100.00	3.00
<b>B. Pharmacy Third Year V Semester</b>										
40	BP501 T	Medicinal Chemistry II	0.96	0.72	2.74	0.69	1.41	1.97	71.32	2.14
41	BP502 T	Industrial Pharmacy I	1.71	1.28	2.88	0.72	2.00	2.31	86.69	2.60
42	BP503 T	Pharmacology II	1.38	1.04	2.88	0.72	1.76	2.03	86.45	2.59
43	BP504 T	Pharmacognosy and Phytochemistry II	1.1	0.83	2.74	0.69	1.51	2.41	62.66	1.88
44	BP505 T	Pharmaceutical Jurisprudence	1.86	1.40	2.86	0.72	2.11	1.50	100.00	3.00
45	BP506P	Industrial Pharmacy I	2.89	2.02	2.93	0.88	2.90	2.42	100.00	3.00
46	BP507P	Pharmacology II	1.98	1.39	3	0.90	2.29	2.47	92.55	2.78
47	BP508P	Pharmacognosy and Phytochemistry II	2.11	1.48	2.89	0.87	2.34	2.25	100.00	3.00
<b>B. Pharmacy Third Year VI Semester</b>										
48	BP601 T	Medicinal Chemistry III	2.57	1.93	2.79	0.70	2.63	1.92	100.00	3.00
49	BP602 T	Pharmacology III	2.67	2.00	2.91	0.73	2.73	2.44	100.00	3.00
50	BP603 T	Herbal Drug Technology	2.83	2.12	3	0.75	2.87	2.23	100.00	3.00
51	BP604 T	Biopharmaceutics and Pharmacokinetics	2.74	2.06	2.88	0.72	2.78	2.22	100.00	3.00

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M.Pharm. Ph.D., D.I.M.F.J.C.

52	BP605 T	Pharmaceutical Biotechnology	2.55	1.91	2.84	0.71	2.62	2.12	100.00	3.00
53	BP606 T	Quality Assurance	2.5	1.88	2.77	0.69	2.57	1.74	100.00	3.00
54	BP607P	Medicinal chemistry III	2.66	1.86	3	0.90	2.76	1.25	100.00	3.00
55	BP608P	Pharmacology III	2.55	1.79	2.96	0.89	2.67	2.27	100.00	3.00
56	BP609P	Herbal Drug Technology	2.55	1.79	2.81	0.84	2.63	2.25	100.00	3.00
<b>B. Pharmacy Final Year VII Semester</b>										
57	T 4.7.1.	Pharmaceutics – VIII (Pharmaceutical Technology - II)	1.47	1.18	2.35	0.47	1.65	2.02	81.49	2.44
58	P. 4.7.1.	Pharmaceutics – VIII (Pharmaceutical Technology - II)	2.46	1.97	2.79	0.56	2.53	2.21	100.00	3.00
59	T 4.7.2.	Pharmaceutical Chemistry- VIII (Medicinal Chemistry – III)	0.77	0.62	1.43	0.29	0.90	2.22	40.63	1.22
60	P 4.7.2	Pharmaceutical Chemistry-VIII (Medicinal Chemistry – III)	2.58	2.06	1.88	0.38	2.44	2.09	100.00	3.00
61	T 4.7.3.	Pharmacology –III	0.98	0.78	1.92	0.38	1.17	1.95	59.90	1.80
62	P 4.7.3.	Pharmacology –III	1.64	1.31	2.43	0.49	1.80	2.33	77.17	2.32
63	T.4.7.4.	Pharmaceutical Analysis-III	0.74	0.59	2.08	0.42	1.01	1.85	54.49	1.63
64	P.4.7.4.	Pharmaceutical Analysis-III	2.7	2.16	2.88	0.58	2.74	2.00	100.00	3.00
65	T 4.7.5.	Pharmaceutical Biotechnology	1.17	0.94	1.82	0.36	1.30	2.01	64.68	1.94
66	T 4.7.6.	Pharmaceutical Industrial Management	1.47	1.18	1.95	0.39	1.57	1.85	84.65	2.54
<b>B. Pharmacy Final Year VIII Semester</b>										
67	T 4.8. 1.	Pharmaceutics – IX	2.92	2.34	2.23	0.45	2.78	1.89	100.00	3.00
68	P 4.8. 1.	Pharmaceutics – IX	2.23	1.78	2.49	0.50	2.28	2.30	99.22	2.98
69	T 4.8.2.	Pharmaceutical Analysis – IV	2.89	2.31	2.46	0.49	2.80	1.89	100.00	3.00
70	P 4.8.2.	Pharmaceutical Analysis – IV	2.91	2.33	2.56	0.51	2.84	2.14	100.00	3.00
71	T 4.8.3.	Pharmaceutical Chemistry-IX (Medicinal Chemistry- IV)	2.89	2.31	2.05	0.41	2.72	2.31	100.00	3.00

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M.L.A.

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M.Pharm. Ph.D., D.I.M.F.J.C.

72	P 4.8.3.	Pharmaceutical Chemistry-IX (Medicinal Chemistry- IV)	2.65	2.12	2.41	0.48	2.60	2.21	100.00	3.00
73	T 4.8.4.	Pharmacognosy - VI	2.83	2.26	2.38	0.48	2.74	2.05	100.00	3.00
74	P. 4.8.4.	Pharmacognosy - VI	2.07	1.66	2.71	0.54	2.20	2.25	97.69	2.93
75	T.4.8.5.	Pharmacology - IV (Clinical Pharmacy & Drug Interactions)	2.97	2.38	2.59	0.52	2.89	1.94	100.00	3.00
76	T.4.8.6.	Pharma Marketing (Theory)	2.76	2.21	2.88	0.58	2.78	1.86	100.00	3.00
77	P.4.8.7.1	Industrial Training Report	2.52	2.02	2.76	0.55	2.57	2.21	100.00	3.00



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### Course Outcome Attainment - University + Internal Marks (2020-21)

S N	Course Code	Course name	University attainment		Sessional attainment		Attainment level		%Attainment (Achieved / required) X 100	Attainment in scale 3
			100%	75% (100% X 0.75)	100%	25% (100% X 0.25)	Achieved	Required		
<b>B. Pharmacy First Year I Semester</b>										
1	BP101 T	Human Anatomy and Physiology I	3.0	2.25	3.0	0.75	3.00	2.08	100.00	3.0
2	BP102 T	Pharmaceutical Analysis-I	2.7	2.03	3.0	0.75	2.78	2.25	100.00	3.0
3	BP103 T	Pharmaceutics I	3.0	2.25	3.0	0.75	3.00	2.20	100.00	3.0
4	BP104 T	Pharmaceutical Inorganic Chemistry	3.0	2.24	3.0	0.75	2.99	1.20	100.00	3.0
5	BP105T	Communication skills	2.9	2.20	2.9	0.74	2.93	2.60	100.00	3.0
6	BP106 RBT	Remedial Biology	3.0	2.21	2.9	0.74	2.95	2.25	100.00	3.0
7	BP107 P	Human Anatomy and Physiology	3.0	2.08	3.0	0.90	2.98	1.81	100.00	3.0
8	BP108 P	Pharmaceutical Analysis I	2.9	2.05	2.9	0.88	2.93	2.23	100.00	3.0
9	BP109 P	Pharmaceutics I	3.0	2.10	3.0	0.90	3.00	2.71	100.00	3.0
10	BP110 P	Pharmaceutical Inorganic Chemistry	3.0	2.10	3.0	0.90	3.00	1.14	100.00	3.0
11	BP111 P	Communication Skills	2.6	1.83	2.9	0.86	2.69	2.50	100.00	3.0
12	BP112 P	Remedial Biology	2.9	2.04	3.0	0.89	2.93	2.25	100.00	3.0
<b>B. Pharmacy First Year II Semester</b>										
13	BP201 T	Human Anatomy and Physiology II	3.0	2.25	2.9	0.72	2.97	1.55	100.00	3.0
14	BP202 T	Pharmaceutical Organic Chemistry I	3.0	2.25	3.0	0.74	2.99	2.48	100.00	3.0
15	BP203 T	Biochemistry	3.0	2.25	3.0	0.74	2.99	2.11	100.00	3.0
16	BP204 T	Pathophysiology	3.0	2.25	3.0	0.74	2.99	1.73	100.00	3.0

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President :  
Shri Amrishbhai R. Patel  
M.L.A.

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M.Pharm. Ph.D., D.I.M.F.J.C.

17	BP205 T	Computer Applications in Pharmacy	2.0	1.49	3.0	0.89	2.37	1.70	100.00	3.0
18	BP207 P	Human Anatomy and Physiology II	3.0	2.07	3.0	0.89	2.96	1.93	100.00	3.0
19	BP208 P	Pharmaceutical Organic Chemistry I	3.0	2.07	3.0	0.89	2.97	2.44	100.00	3.0
20	BP209 P	Biochemistry	3.0	2.07	3.0	0.89	2.96	2.23	100.00	3.0
21	BP210 P	Computer Applications in Pharmacy	3.0	2.09	3.0	0.90	2.99	2.46	100.00	3.0
<b>B. Pharmacy Second Year III Semester</b>										
22	BP301 T	Pharmaceutical Organic Chemistry II	3.0	2.24	2.9	0.72	2.97	2.18	100.00	3.0
23	BP302 T	Physical Pharmaceutics I	3.0	2.25	3.0	0.75	3.00	2.37	100.00	3.0
24	BP303 T	Pharmaceutical Microbiology	3.0	2.23	2.9	0.74	2.96	2.00	100.00	3.0
25	BP304 T	Pharmaceutical Engineering	3.0	2.25	3.0	0.75	3.00	1.94	100.00	3.0
26	5555	Environmental Science	2.9	2.34	3.0	0.60	2.94	2.37	100.00	3.0
27	BP305P	Pharmaceutical Organic Chemistry II	2.8	1.95	2.8	0.83	2.78	2.35	100.00	3.0
28	BP306P	Physical Pharmaceutics I	2.8	1.93	3.0	0.90	2.82	2.00	100.00	3.0
29	BP307P	Pharmaceutical Microbiology	2.6	1.83	2.9	0.87	2.70	2.66	100.00	3.0
30	BP 308P	Pharmaceutical Engineering	3.0	2.10	3.0	0.90	3.00	2.44	100.00	3.0
<b>B. Pharmacy Second Year IV Semester</b>										
31	BP401 T	Pharmaceutical Organic Chemistry III	3.0	2.25	3.0	0.75	3.00	2.08	100.00	3.0
32	BP402 T	Medicinal Chemistry I	3.0	2.25	3.0	0.75	3.00	2.12	100.00	3.0
33	BP403T	Physical Pharmaceutics II	2.9	2.21	3.0	0.74	2.95	2.37	100.00	3.0
34	BP404T	Pharmacology I	3.0	2.24	3.0	0.75	2.98	1.95	100.00	3.0
35	BP405T	Pharmacognosy and Phytochemistry I	3.0	2.25	3.0	0.75	3.00	2.26	100.00	3.0
36	BP406P	Medicinal Chemistry I	3.0	2.09	2.9	0.87	2.96	2.71	100.00	3.0
37	BP407P	Physical Pharmaceutics II	3.0	2.07	3.0	0.89	2.97	2.20	100.00	3.0
38	BP408P	Pharmacology I	2.8	1.97	3.0	0.89	2.85	2.32	100.00	3.0
39	BP409P	Pharmacognosy and Phytochemistry I	3.0	2.10	3.0	0.89	2.99	2.66	100.00	3.0

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B. Pharmacy Third Year V Semester										
40	BP501 T	Medicinal Chemistry II	3.0	2.24	3.0	0.75	2.99	1.97	100.00	3.0
41	BP502 T	Industrial Pharmacy I	3.0	2.25	3.0	0.74	2.99	2.31	100.00	3.0
42	BP503 T	Pharmacology II	3.0	2.25	3.0	0.74	2.99	2.03	100.00	3.0
43	BP504 T	Pharmacognosy and Phytochemistry II	3.0	2.25	3.0	0.75	3.00	2.41	100.00	3.0
44	BP505 T	Pharmaceutical Jurisprudence	3.0	2.25	3.0	0.75	3.00	1.50	100.00	3.0
45	BP506P	Industrial Pharmacy I	2.9	2.04	2.9	0.87	2.90	2.42	100.00	3.0
46	BP507P	Pharmacology II	2.9	2.02	2.7	0.80	2.83	2.47	100.00	3.0
47	BP508P	Pharmacognosy and Phytochemistry II	3.0	2.09	3.0	0.89	2.97	2.25	100.00	3.0
B. Pharmacy Third Year VI Semester										
48	BP601 T	Medicinal Chemistry III	3.0	2.25	3.0	0.75	3.00	1.92	100.00	3.0
49	BP602 T	Pharmacology III	3.0	2.25	3.0	0.75	3.00	2.44	100.00	3.0
50	BP603 T	Herbal Drug Technology	3.0	2.25	3.0	0.75	3.00	2.23	100.00	3.0
51	BP604 T	Biopharmaceutics and Pharmacokinetics	3.0	2.25	3.0	0.75	3.00	2.22	100.00	3.0
52	BP605 T	Pharmaceutical Biotechnology	3.0	2.25	3.0	0.75	3.00	2.12	100.00	3.0
53	BP 606 T	Quality Assurance	3.0	2.25	3.0	0.75	3.00	1.74	100.00	3.0
54	BP607P	Medicinal chemistry III	3.0	2.10	2.7	0.81	2.91	1.25	100.00	3.0
55	BP608P	Pharmacology III	2.7	1.88	3.0	0.89	2.78	2.27	100.00	3.0
56	BP609P	Herbal Drug Technology	3.0	2.10	3.0	0.90	3.00	2.25	100.00	3.0
B. Pharmacy Final Year VII Semester										
57	BP701 T	Instrumental Methods of Analysis	2.9	2.18	2.8	0.70	2.88	2.28	100.00	3.0
58	BP702 T	Industrial Pharmacy II	3.0	2.25	2.9	0.73	2.98	1.91	100.00	3.0
59	BP703 T	Pharmacy Practice	3.0	2.25	2.8	0.69	2.94	1.27	100.00	3.0
60	BP704 T	Novel Drug Delivery System	3.0	2.25	2.9	0.72	2.97	2.05	100.00	3.0
61	BP705P	Instrumental Methods of Analysis	2.5	1.72	2.6	0.78	2.50	2.57	97.08	2.9
62	BP706PS	Practice School*	2.9	2.37	2.9	0.49	2.85	3.00	95.06	2.9
B. Pharmacy Final Year VIII Semester										

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Shri Amrishbhai R. Patel  
M.L.A.

Principal :  
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M.Pharm. Ph.D., D.I.M.F.J.C.

63	BP801 T	Biostatistics and Research Methodology	2.3	1.70	2.3	0.57	2.26	2.15	100.00	3.0
64	BP802 T	Social and Preventive Pharmacy	3.0	2.25	3.0	0.75	3.00	1.57	100.00	3.0
65	BP804 ET	Pharmaceutical Regulatory Science	3.0	2.25	3.0	0.75	3.00	1.95	100.00	3.0
66	BP806 ET	Quality Control and Standardization of Herbals	3.0	2.25	3.0	0.75	3.00	2.05	100.00	3.0
67	BP813 PW	Project Work	2.4	2.42	0.0	0.00	2.42	2.33	100.00	3.0

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### Course Outcome Attainment - University + Internal Marks (2021-22)

S N	Course Code	Course name	University attainment		Sessional attainment		Attainment level		%Attainment (Achieved / required) X 100	Attainment in scale 3
			100%	75% (100% X 0.75)	100%	25% (100% X 0.25)	Achieved	Required		
<b>B. Pharmacy First Year I Semester</b>										
1	BP101 T	Human Anatomy and Physiology I	2.95	2.21	2.51	0.63	2.84	2.08	100.00	3.00
2	BP102 T	Pharmaceutical Analysis-I	2.07	1.55	2.82	0.71	2.26	2.25	100.00	3.00
3	BP103 T	Pharmaceutics I	2.96	2.22	2.84	0.71	2.93	2.20	100.00	3.00
4	BP104 T	Pharmaceutical Inorganic Chemistry	2.63	1.97	2.81	0.70	2.68	1.20	100.00	3.00
5	BP105T	Communication skills	2.98	2.24	2.89	0.72	2.96	2.60	100.00	3.00
6	BP106 RBT	Remedial Biology	2.58	1.94	2.22	0.56	2.49	2.25	100.00	3.00
7	BP107 P	Human Anatomy and Physiology	2.68	1.88	2.75	0.83	2.70	1.81	100.00	3.00
8	BP108 P	Pharmaceutical Analysis I	2.99	2.09	2.97	0.89	2.98	2.23	100.00	3.00
9	BP109 P	Pharmaceutics I	2.95	2.07	2.99	0.90	2.96	2.71	100.00	3.00
10	BP110 P	Pharmaceutical Inorganic Chemistry	2.98	2.09	2.96	0.89	2.97	1.14	100.00	3.00
11	BP111 P	Communication Skills	3.00	2.10	2.84	0.85	2.95	2.50	100.00	3.00
12	BP112 P	Remedial Biology	3.00	2.10	3.00	0.90	3.00	2.25	100.00	3.00
<b>B. Pharmacy First Year II Semester</b>										
13	BP201 T	Human Anatomy and Physiology II	2.52	1.89	2.69	0.67	2.56	1.55	100.00	3.00
14	BP202 T	Pharmaceutical Organic Chemistry I	2.16	1.62	2.80	0.70	2.32	2.48	93.55	2.81
15	BP203 T	Biochemistry	1.06	0.80	2.94	0.74	1.53	2.11	72.51	2.18
16	BP204 T	Pathophysiology	2.30	1.73	2.86	0.72	2.44	1.73	100.00	3.00

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M.L.A.

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M.Pharm. Ph.D., D.I.M.F.J.C.

17	BP205 T	Computer Applications in Pharmacy	2.94	2.21	2.83	0.85	3.05	1.70	100.00	3.00
18	BP207 P	Human Anatomy and Physiology II	2.68	1.88	2.57	0.77	2.65	1.93	100.00	3.00
19	BP208 P	Pharmaceutical Organic Chemistry I	2.82	1.97	2.99	0.90	2.87	2.44	100.00	3.00
20	BP209 P	Biochemistry	2.95	2.07	2.99	0.90	2.96	2.23	100.00	3.00
21	BP210 P	Computer Applications in Pharmacy	2.50	1.75	3.00	0.90	2.65	2.46	100.00	3.00
<b>B. Pharmacy Second Year III Semester</b>										
22	BP301 T	Pharmaceutical Organic Chemistry II	2.62	1.97	2.86	0.72	2.68	2.18	100.00	3.00
23	BP302 T	Physical Pharmaceutics I	2.96	2.22	2.92	0.73	2.95	2.37	100.00	3.00
24	BP303 T	Pharmaceutical Microbiology	2.97	2.23	2.80	0.70	2.93	2.00	100.00	3.00
25	BP304 T	Pharmaceutical Engineering	2.97	2.23	2.90	0.73	2.95	1.94	100.00	3.00
26	5555	Environmental Science	3.00	2.40	3.00	0.60	3.00	2.37	100.00	3.00
27	BP305P	Pharmaceutical Organic Chemistry II	2.87	2.01	2.99	0.90	2.91	2.35	100.00	3.00
28	BP306P	Physical Pharmaceutics I	2.96	2.07	2.98	0.89	2.97	2.00	100.00	3.00
29	BP307P	Pharmaceutical Microbiology	2.96	2.07	2.94	0.88	2.95	2.66	100.00	3.00
30	BP 308P	Pharmaceutical Engineering	2.97	2.08	2.99	0.90	2.98	2.44	100.00	3.00
<b>B. Pharmacy Second Year IV Semester</b>										
31	BP401 T	Pharmaceutical Organic Chemistry III	1.98	1.49	2.70	0.68	2.16	2.08	100.00	3.00
32	BP402 T	Medicinal Chemistry I	0.34	0.26	2.89	0.72	0.98	2.12	46.11	1.38
33	BP403T	Physical Pharmaceutics II	1.80	1.35	2.86	0.72	2.07	2.37	87.13	2.61
34	BP404T	Pharmacology I	2.11	1.58	2.63	0.66	2.24	1.95	100.00	3.00
35	BP405T	Pharmacognosy and Phytochemistry I	1.20	0.90	2.88	0.72	1.62	2.26	71.68	2.15
36	BP406P	Medicinal Chemistry I	2.76	1.93	2.96	0.89	2.82	2.71	100.00	3.00
37	BP407P	Physical Pharmaceutics II	2.84	1.99	2.96	0.89	2.88	2.20	100.00	3.00
38	BP408P	Pharmacology I	2.47	1.73	2.92	0.88	2.61	2.32	100.00	3.00
39	BP409P	Pharmacognosy and Phytochemistry I	2.76	1.93	2.97	0.89	2.82	2.66	100.00	3.00

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M.Pharm. Ph.D., D.I.M.F.J.C.

B. Pharmacy Third Year V Semester										
40	BP501 T	Medicinal Chemistry II	1.55	1.16	2.65	0.66	1.83	1.97	92.64	2.78
41	BP502 T	Industrial Pharmacy I	2.85	2.14	2.67	0.67	2.81	2.31	100.00	3.00
42	BP503 T	Pharmacology II	2.88	2.16	2.66	0.67	2.83	2.03	100.00	3.00
43	BP504 T	Pharmacognosy and Phytochemistry II	2.95	2.21	2.64	0.66	2.87	2.41	100.00	3.00
44	BP505 T	Pharmaceutical Jurisprudence	2.99	2.24	2.91	0.73	2.97	1.50	100.00	3.00
45	BP506P	Industrial Pharmacy I	3.00	2.10	2.81	0.84	2.94	2.42	100.00	3.00
46	BP507P	Pharmacology II	2.69	1.88	2.80	0.84	2.72	2.47	100.00	3.00
47	BP508P	Pharmacognosy and Phytochemistry II	2.98	2.09	2.99	0.90	2.98	2.25	100.00	3.00
B. Pharmacy Third Year VI Semester										
48	BP601 T	Medicinal Chemistry III	0.90	0.68	2.93	0.73	1.41	1.92	73.31	2.20
49	BP602 T	Pharmacology III	2.48	1.86	2.47	0.62	2.48	2.44	100.00	3.00
50	BP603 T	Herbal Drug Technology	2.06	1.55	2.90	0.73	2.27	2.23	100.00	3.00
51	BP604 T	Biopharmaceutics and Pharmacokinetics	2.69	2.02	2.55	0.64	2.66	2.22	100.00	3.00
52	BP605 T	Pharmaceutical Biotechnology	2.17	1.63	2.98	0.75	2.37	2.12	100.00	3.00
53	BP 606 T	Quality Assurance	1.42	1.07	2.97	0.74	1.81	1.74	100.00	3.00
54	BP607P	Medicinal chemistry III	2.83	1.98	3.00	0.90	2.88	1.25	100.00	3.00
55	BP608P	Pharmacology III	2.65	1.86	2.95	0.89	2.74	2.27	100.00	3.00
56	BP609P	Herbal Drug Technology	2.95	2.07	3.00	0.90	2.97	2.25	100.00	3.00
B. Pharmacy Final Year VII Semester										
57	BP701 T	Instrumental Methods of Analysis	2.99	2.24	2.78	0.70	2.94	2.28	100.00	3.00
58	BP702 T	Industrial Pharmacy II	3.00	2.25	2.52	0.63	2.88	1.91	100.00	3.00
59	BP703 T	Pharmacy Practice	2.99	2.24	2.88	0.72	2.96	1.27	100.00	3.00
60	BP704 T	Novel Drug Delivery System	2.96	2.22	2.66	0.67	2.89	2.05	100.00	3.00
61	BP705P	Instrumental Methods of Analysis	2.73	1.91	2.81	0.84	2.75	2.57	100.00	3.00
62	BP706PS	Practice School*	2.64	2.19	3.00	0.51	2.70	3.00	90.04	2.70
B. Pharmacy Final Year VIII Semester										

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M.L.A.

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M.Pharm. Ph.D., D.I.M.F.J.C.

63	BP801 T	Biostatistics and Research Methodology	2.00	1.50	2.71	0.68	2.18	2.15	100.00	3.00
64	BP802 T	Social and Preventive Pharmacy	2.71	2.03	2.95	0.74	2.77	1.57	100.00	3.00
65	BP804 ET	Pharmaceutical Regulatory Science	2.38	1.79	2.96	0.74	2.53	1.95	100.00	3.00
66	BP806 ET	Quality Control and Standardization of Herbals	2.97	2.23	2.74	0.69	2.91	2.05	100.00	3.00
67	BP813 PW	Project Work	2.88	2.88		0.00	2.88	2.33	100.00	3.00



  
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**President :**  
Shri Amrshbhai R. Patel  
M.L.A.

**Principal :**  
Dr. S. B. Bari  
M.Pharm. Ph.D., D.I.M.F.J.C.

#### **Assessment process:**

The assessment tools are direct and indirect methods for evaluating the attainment of POs.

**Direct methods:** The sessional examinations and the internal assessment, wherein the teacher can focus on the POs. The question papers include short answers, short essay and long essay type. In addition, MCQs examinations are conducted on each unit test. Assignments are given for some extension of syllabus. In case of laboratory examination, synopsis, major experiment, minor experiment, *viva voce*, reports, etc., are the components. While setting a question paper, each question is framed based on the POs in order to attain them to a large extent. A few POs of minor importance may not be accommodated. It is necessary that a question has to cover 60% of 'essentials to know', 30% 'better to know' and 10% are 'nice to know'. Therefore, special attempts are made to attain these objectives.

The subjects are also categorized as professional core subjects, basic subjects (mathematics, science, computing, and humanities). Accordingly, the POs have assumed adequate importance. Having set the question papers, the answer papers are being evaluated from the same perspectives. The students are given feedback and POs are highlighted. Data are gathered after scrutinizing the answer for course outcomes. The course outcomes are translated to POs. Attainment of POs is considered from the data of all students.

**Indirect methods:** Surveys are conducted from two levels: alumni and exit survey.

#### **PO evaluation**

Frequency of carrying out the process: once in year. The POs are obtained from course outcomes, which composed a number of tools, end examination practical, MCQs, assignments, seminars etc. Each effort has uniquely suited to achieve POs. The evaluation was summative as well as formative (experience and appreciation, MCQs). The evaluation is spread throughout the program, examinations, job placements data, faculty survey on students and experimental site perceptions. Higher studies records, GPAT scores are a few more tools.



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# Evaluation of Program Outcome Attainment

## Program Outcome Attainment (2017 - 2018)

Course code	Course Title	Program Outcomes											
		1	2	3	4	5	6	7	8	9	10	11	
<b>B. Pharmacy First Year I Semester</b>													
BP101T	Human Anatomy and Physiology I- Theory	1.41	0.71	-	-	-	-	-	-	-	0.53	-	1.51
BP102T	Pharmaceutical Analysis I - Theory	1.57	-	1.28	1.22	-	-	-	-	-	1.28	0.00	1.33
BP103T	Pharmaceutics I - Theory	1.76	-	1.82	1.82	-	-	-	-	-	1.65	-	1.82
BP104T	Pharmaceutical Inorganic Chemistry - Theory	1.15	1.28	1.40	-	-	-	-	-	-	-	-	1.15
BP105T	Communication skills - Theory	-	1.52	-	-	2.36	-	1.86	2.28	-	-	-	2.19
BP106RBT	Remedial Biology Theory	2.80	-	2.50	2.25	-	-	-	-	-	-	-	2.40
BP106RMT	Remedial Mathematics Theory	2.80	-	2.50	2.25	-	-	-	-	-	-	-	2.40
BP107P	Human Anatomy and Physiology - Practical	3.00	1.00	1.00	1.33	-	1.00	1.00	-	1.00	1.00	1.00	3.00
BP108P	Pharmaceutical Analysis I - Practical	2.31	-	2.18	-	-	-	-	-	-	-	-	2.18
BP109P	Pharmaceutics I - Practical	1.85	-	1.90	1.80	-	-	-	-	-	1.85	-	2.05
BP110P	Pharmaceutical Inorganic Chemistry - Practical	2.80	2.00	2.60	-	-	-	2.00	-	-	-	-	2.00
BP111P	Communication skills - Practical	-	-	-	2.50	-	-	-	3.00	-	-	-	2.50
BP112RBP	Remedial Biology - Practical	2.70	-	2.40	-	-	-	-	-	-	-	-	2.20
<b>B. Pharmacy First Year II Semester</b>													
BP201T	Human Anatomy and Physiology II - Theory	1.89	0.71	-	-	0.00	0.71	0.71	-	0.71	-	-	1.89
BP202T	Pharmaceutical Organic Chemistry I - Theory	1.35	-	1.21	1.09	-	-	-	-	-	-	-	1.16
BP203T	Biochemistry - Theory	1.62	-	1.41	1.34	-	-	-	1.55	1.48	-	-	1.55
BP204T	Pathophysiology - Theory	1.80	0.68	-	-	0.68	-	-	-	-	-	0.68	2.03
BP205T	Computer Applications in Pharmacy - Theory	-	-	0.50	2.25	-	1.91	-	-	-	2.16	-	-

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Course code	Course Title	Program Outcomes										
		1	2	3	4	5	6	7	8	9	10	11
BP206T	Environmental sciences – Theory	1.44	1.22	0.83	-	0.67	-	-	-	-	1.33	1.67
BP207P	Human Anatomy and Physiology II –Practical	3.00	1.00	1.00	1.50	-	1.00	2.00	-	-	-	3.00
BP208P	Pharmaceutical Organic Chemistry I– Practical	2.82	1.99	2.15	-	-	-	-	-	-	-	2.74
BP209P	Biochemistry – Practical	2.25	-	2.15	-	-	-	-	-	-	-	2.30
BP210P	Computer Applications in Pharmacy – Practical	-	1.90	-	2.80	-	-	-	-	-	-	2.30
5555	Env Studies	2.39	1.20	0.80	-	-	1.59	-	-	1.59	2.39	2.12
<b>B. Pharmacy Second Year III Semester</b>												
T 2.3.1	Pharmaceutics -III (I Physical Pharmacy-I)	1.48	-	1.44	1.50	-	-	-	-	-	-	1.50
P 2.3.1	Pharmaceutics -III (I Physical Pharmacy-I)	2.00	2.00	2.00	2.00	1.50	-	-	1.50	-	-	2.00
T 2.32.	Pharmaceutical Chemistry-IV (Organic Chemistry - II)	1.30	-	1.26	0.88	-	-	-	-	-	-	1.21
P 2.32.	Pharmaceutical Chemistry-IV (Organic Chemistry - II)	2.73	-	2.10	-	-	-	-	-	1.95	-	2.44
T 2.3.3.	Pharmacognosy –II	1.60	-	1.05	1.50	-	1.00	1.20	1.05	1.20	1.20	1.80
P 2.3.3.	Pharmacognosy –II	3.00	2.00	2.00	1.33	-	-	-	-	-	-	2.16
T 2.3.4.	Pharmaceutical Analysis – I	1.42	-	1.11	1.24	-	-	-	-	-	-	1.38
P 2.3.4.	Pharmaceutical Analysis – I	2.35	-	2.28	2.28	-	-	-	-	-	-	2.35
T 2.3.5	A P HE-II	2.32	1.39	1.39	-	-	1.12	0.31	-	0.93	-	2.63
P 2.3.5	A P HE-II	2.75	2.40	1.25	-	-	-	1.66	-	-	-	2.41
T.2.3.6	Pathophysiology of Common Diseases-I	1.99	0.75	1.49	0.75	-	0.90	0.75	-	0.93	0.75	1.99
<b>B. Pharmacy Second Year IV Semester</b>												
T.2.4.1.	Pharmaceutics–IV (Physical Pharmacy-II)	1.45	-	1.41	1.63	-	-	-	-	-	-	1.71
P.2.4.1.	Pharmaceutics–IV (Physical Pharmacy-II)	2.00	2.00	2.00	2.00	1.50	-	-	1.50	-	-	2.00

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Course code	Course Title	Program Outcomes										
		1	2	3	4	5	6	7	8	9	10	11
T.2.4.2.	Pharmaceutical Microbiology	1.77	-	1.15	1.46	-	-	-	-	-	-	1.25
P.2.4.2.	Pharmaceutical Microbiology	2.31	-	2.22	2.22	-	-	-	-	-	-	2.05
T.2.4.3.	Pharmacognosy – III	1.76	-	0.88	0.78	-	-	1.17	-	1.76	1.27	1.56
P.2.4.3.	Pharmacognosy – III	3.00	2.00	1.40	1.80	-	-	-	2.00	2.00	2.00	2.20
T.2.4.4.	Pharmaceutics –V (Hospital Pharmacy)	1.87	1.78	-	-	-	1.78	-	1.87	1.68	-	1.58
P.2.4.4.	Pharmaceutics –V (Hospital Pharmacy)	2.25	2.25	-	-	-	2.25	2.25	2.25	2.25	-	2.25
T.2.4.5.	Pharmaceutical Chemistry – V (Biochemistry)	1.30	-	1.02	1.11	-	-	-	1.16	1.25	-	1.25
P.2.4.5.	Pharmaceutical Chemistry – V (Biochemistry)	2.50	-	1.83	2.25	-	-	-	-	-	-	2.58
T.2.4.6.	Pathophysiology of Common Diseases-II	2.17	0.82	1.63	-	-	0.82	-	-	1.63	0.82	2.10
<b>B. Pharmacy Second Year V Semester</b>												
T 3.5.1.	Pharmaceutical Chemistry – VI (Medicinal Chemistry - I)	1.19	1.04	1.19	1.14	-	1.30	-	-	-	-	1.24
P 3.5.1.	Pharmaceutical Chemistry – VI (Medicinal Chemistry - I)	3.00	2.20	2.20	-	-	-	-	-	-	-	2.00
T 3.5.2.	Pharmaceutics – VI (Pharmaceutical Technology I)	1.75	1.95	1.68	1.62	-	1.12	-	1.49	-	-	1.36
P 3.5.2.	Pharmaceutics – VI (Pharmaceutical Technology I)	1.83	2.00	2.00	2.16	-	1.66	-	1.50	-	-	1.58
T 3.5.3.	Pharmacology – I	1.32	-	-	0.87	-	-	-	-	-	-	0.33
P 3.5.3.	Pharmacology – I	2.50	1.66	-	2.16	-	-	-	-	-	-	1.50
T 3.5.4.	Pharmacognosy –IV	1.80	1.20	1.20	0.90	-	1.20	1.20	-	1.20	1.20	1.20
P 3.5.4.	Pharmacognosy –IV	3.00	2.00	2.00	1.50	-	2.00	2.00	-	2.00	2.00	2.00
T 3.5.5.	Pharmaceutical Analysis-II	1.41	-	0.95	1.18	-	-	-	-	-	-	1.45
P 3.5.5.	Pharmaceutical Analysis-II	2.39	-	2.47	2.07	-	-	-	-	-	-	2.47
<b>B. Pharmacy Second Year VI Semester</b>												

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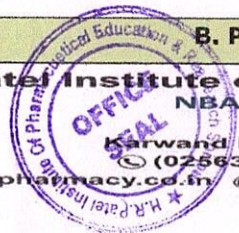
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		1	2	3	4	5	6	7	8	9	10	11
T 3.6.1.	Pharmaceutical Chemistry - VII (Medicinal Chemistry -II)	1.21	1.11	1.11	-	-	-	-	-	1.19	-	1.05
P 3.6.1.	Pharmaceutical Chemistry - VII (Medicinal Chemistry - II)	3.00	2.00	2.20	-	-	-	-	-	-	-	2.00
T 3.6.2.	Pharmaceutics -VII (Biopharmaceutics & Pharmacokinetics)	1.98	0.85	1.41	1.63	-	-	0.99	-	-	0.77	1.77
P. 3.6.2.	Pharmaceutics -VII (Biopharmaceutics & Pharmacokinetics)	2.00	2.00	2.50	2.00	2.50	-	-	1.00	-	-	2.00
T. 3.6.3.	Pharmacology -II	1.61	-	-	0.86	-	-	-	-	1.29	-	1.29
P 3.6.3.	Pharmacology -II	2.50	2.33	-	2.00	-	-	-	-	-	-	1.00
T 3.6.4.	Pharmacognosy - V (Chemistry of Natural Products)	1.65	1.10	1.10	0.83	-	1.10	1.10	-	1.10	1.10	1.10
P 3.6.4.	Pharmacognosy - V (Chemistry of Natural Products)	3.00	2.00	2.00	1.50	-	2.00	2.00	-	2.00	2.00	2.00
T 3.6.5.	Pharmaceutical Jurisprudence & Ethics	1.83	-	1.01	-	-	1.01	1.63	1.12	1.83	-	1.53
3.6.6	Project report	3.00	2.00	2.00	1.50	-	2.00	2.00	-	2.00	2.00	2.00
<b>B. Pharmacy Second Year VII Semester</b>												
T 4.7.1.	Pharmaceutics - VIII (Pharmaceutical Technology - II)	1.96	0.34	1.67	1.43	-	-	-	-	-	-	1.55
P. 4.7.1.	Pharmaceutics - VIII (Pharmaceutical Technology - II)	2.64	-	1.97	2.39	-	-	-	-	-	-	2.14
T 4.7.2.	Pharmaceutical Chemistry- VIII (Medicinal Chemistry - III)	1.30	-	1.26	1.04	-	-	-	-	1.12	-	1.05
P 4.7.2	Pharmaceutical Chemistry-VIII (Medicinal Chemistry - III)	2.60	-	1.80	2.05	-	-	-	-	2.00	-	2.00

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		1	2	3	4	5	6	7	8	9	10	11
T 4.7.3.	Pharmacology –III	1.76	-	-	1.41	-	-	-	-	1.64	-	0.70
P 4.7.3.	Pharmacology –III	2.50	1.83	2.00	2.20	2.00	2.00	2.00	2.50	2.50	-	1.00
T.4.7.4.	Pharmaceutical Analysis-III	1.67	-	1.00	1.22	-	-	-	-	-	-	1.05
P.4.7.4.	Pharmaceutical Analysis-III	2.50	2.00	2.00	2.00	-	-	-	1.50	-	-	1.50
T 4.7.5.	Pharmaceutical Biotechnology	1.64	-	1.69	1.58	-	-	-	-	-	1.64	1.64
T 4.7.6.	Pharmaceutical Industrial Management	1.54	1.37	0.85	-	1.54	1.03	1.03	1.54	1.03	-	-
<b>B. Pharmacy Second Year VIII Semester</b>												
T 4.8. 1.	Pharmaceutics – IX	2.05	-	1.55	1.49	-	-	-	-	-	1.18	1.86
P 4.8. 1.	Pharmaceutics – IX	2.75	-	2.50	2.42	-	-	-	-	-	-	2.58
T 4.8.2.	Pharmaceutical Analysis – IV	1.77	-	1.06	1.30	-	-	-	-	-	-	1.24
P 4.8.2.	Pharmaceutical Analysis – IV	2.50	2.00	1.50	1.50	-	-	-	1.50	-	-	1.60
T 4.8.3.	Pharmaceutical Chemistry-IX (Medicinal Chemistry- IV)	1.23	-	1.10	1.08	-	-	-	-	-	-	1.09
P 4.8.3.	Pharmaceutical Chemistry-IX (Medicinal Chemistry- IV)	2.50	-	2.18	-	2.12	-	-	2.06	-	-	-
T 4.8.4.	Pharmacognosy – VI	2.05	1.37	1.37	1.02	0.00	1.37	1.37	-	1.37	1.37	1.37
P. 4.8.4.	Pharmacognosy – VI	3.00	2.00	2.00	1.50	0.00	2.00	2.00	-	2.00	2.00	2.00
T.4.8.5.	Pharmacology - IV (Clinical Pharmacy & Drug Interactions)	2.02	-	-	1.62	-	1.75	1.62	-	1.62	-	0.81
T.4.8.6.	Pharma Marketing (Theory)	2.39	2.21	1.47	-	2.58	2.30	1.84	2.76	2.21	-	-
P.4.8.7.1	Industrial Training Report	2.80	2.30	2.10	1.58	0.00	2.16	2.00	-	2.16	2.00	2.83
	Direct Attainment (3 Max)	2.11	1.59	1.63	1.61	1.35	1.48	1.50	1.76	1.57	1.37	1.80
	Direct Attainment (100 %)	70.45	53.16	54.25	53.50	44.95	49.31	50.01	58.64	52.43	45.66	59.94
	Direct Attainment (80 %)	56.36	42.53	43.40	42.80	35.96	39.45	40.01	46.91	41.95	36.53	47.95

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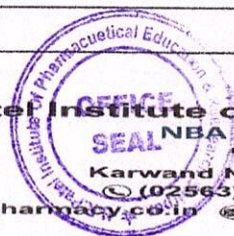
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	Indirect Attainment (20 %)	19.30	17.21	17.60	17.04	16.97	17.26	17.93	16.70	17.65	16.07	18.45
	<b>Total Attainment (%)</b>	<b>75.66</b>	<b>59.74</b>	<b>61.00</b>	<b>59.84</b>	<b>52.93</b>	<b>56.70</b>	<b>57.94</b>	<b>63.61</b>	<b>59.59</b>	<b>52.60</b>	<b>66.40</b>

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### Program Outcome Attainment (2018 - 2019)

Course code	Course Title	Program Outcomes											
		1	2	3	4	5	6	7	8	9	10	11	
<b>B. Pharmacy First Year I Semester</b>													
BP101 T	Human Anatomy and Physiology I-	1.21	1.21	-	-	-	-	-	-	-	1.21	-	1.21
BP102 T	Pharmaceutical Analysis-I	0.94	-	0.94	0.94	-	-	-	-	-	0.94	-	0.94
P103 T	Pharmaceutics I	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44
BP104 T	Pharmaceutical Inorganic Chemistry	1.23	1.23	1.23	-	-	-	-	-	-	-	1.23	1.23
BP105T	Communication skills	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	-	1.98
BP106 RBT	Remedial Biology	2.63	-	-	2.63	-	-	-	-	2.63	-	2.63	2.63
BP107 P	Human Anatomy and Physiology	2.46	-	2.46	2.46	-	-	2.46	2.46	-	2.46	2.46	2.46
BP108 P	Pharmaceutical Analysis I	2.66	-	2.66	-	-	-	-	-	-	-	-	2.66
BP109 P	Pharmaceutics I	2.80	2.80	2.80	2.80	2.80	-	-	-	2.80	-	-	2.80
BP110 P	Pharmaceutical Inorganic Chemistry	2.63	2.63	2.63	2.63	-	-	2.63	-	-	-	2.63	2.63
BP111 P	Communication Skills	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54	-	2.54
BP112	Remedial Biology	3.00	-	-	3.00	-	-	-	-	3.00	-	3.00	3.00
<b>B. Pharmacy First Year II Semester</b>													
BP201 T	Human Anatomy and Physiology II	1.74	1.74	-	-	-	-	1.74	1.74	-	1.74	-	1.74
BP202 T	Pharmaceutical Organic Chemistry I	1.12	-	1.12	1.12	-	-	-	-	-	-	-	1.12
BP203 T	Biochemistry	1.44	-	1.44	1.44	-	-	-	-	1.44	1.44	-	1.44
BP204 T	Pathophysiology	1.60	1.60	-	-	1.60	-	-	-	-	-	1.60	1.60
BP205 T	Computer Applications in Pharmacy	-	-	1.33	1.33	-	-	1.33	-	-	1.33	-	-
BP207 P	Human Anatomy and Physiology II	2.52	2.52	-	2.52	-	-	2.52	2.52	-	-	-	2.52
BP208 P	Pharmaceutical Organic Chemistry I	2.73	2.73	2.73	-	-	-	-	-	-	-	-	2.73
BP209 P	Biochemistry	2.90	-	2.90	-	-	-	-	-	-	-	-	2.90

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		1	2	3	4	5	6	7	8	9	10	11
BP210 P	Computer Applications in Pharmacy	2.97	2.97	2.97	2.97	-	-	-	-	-	-	2.97
<b>B. Pharmacy Second Year III Semester</b>												
BP301 T	Pharmaceutical Organic Chemistry II	1.37	-	1.37	1.37	-	-	-	-	1.37	-	1.37
BP302 T	Physical Pharmaceutics I	2.20	-	2.20	2.20	-	-	2.20	-	2.20	2.20	2.20
BP303 T	Pharmaceutical Microbiology	1.64	1.64	1.64	-	-	-	-	-	-	-	1.64
BP304 T	Pharmaceutical Engineering	1.98	-	1.98	1.98	-	-	-	1.98	-	-	1.98
5555	Environmental Science	-	-	3.00	-	3.00	-	-	3.00	-	-	-
BP305P	Pharmaceutical Organic Chemistry II	2.55	2.55	2.55	-	-	-	-	-	-	-	2.55
BP306P	Physical Pharmaceutics I	2.45	2.45	2.45	2.45	2.45	-	-	2.45	-	2.45	2.45
BP307P	Pharmaceutical Microbiology	2.41	2.41	2.41	2.41	-	-	-	-	2.41	2.41	2.41
BP 308P	Pharmaceutical Engineering	2.75	2.75	2.75	2.75	-	2.75	2.75	2.75	2.75	-	2.75
<b>B. Pharmacy Second Year IV Semester</b>												
BP401 T	Pharmaceutical Organic Chemistry III	1.50	-	-	1.50	-	1.50	1.50	-	-	1.50	1.50
BP402 T	Medicinal Chemistry I	1.02	-	1.02	1.02	-	-	-	-	-	-	1.02
BP403T	Physical Pharmaceutics II	1.95	1.95	1.95	-	-	-	-	-	-	-	1.95
BP404T	Pharmacology I	1.36	-	1.36	-	-	-	-	-	1.36	-	1.36
BP405T	Pharmacognosy and Phytochemistry I	1.35	-	1.35	1.35	-	-	-	-	-	-	1.35
BP406P	Medicinal Chemistry I	2.58	2.58	2.58	2.58	-	-	-	-	-	-	2.58
BP407P	Physical Pharmaceutics II	2.59	2.59	2.59	-	-	-	-	-	-	-	2.59
BP408P	Pharmacology I	2.45	2.45	-	2.45	-	-	2.45	-	-	-	2.45
BP409P	Pharmacognosy and Phytochemistry I	2.54	2.54	2.54	2.54	-	2.54	2.54	-	2.54	2.54	2.54
<b>B. Pharmacy Third Year V Semester</b>												
T.3.5.1	Pharmaceutical Chemistry - VI	0.79	0.79	0.79	0.79	-	-	-	-	-	0.79	0.79
T.3.5.2	Pharmaceutics- VI (Pharmaceutical Technology-I)	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49

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T.3.5.3	Pharmacology-I	1.64	-	-	1.64	-	-	-	-	-	-	1.64
T 3.5.4	Pharmacognosy – IV	2.49	-	-	2.49	-	-	-	-	2.49	-	2.49
T.3.5.5	Pharmaceutical Analysis-II	0.97	-	0.97	0.97	-	-	-	-	-	-	0.97
P.3.5.1	Pharmaceutical Chemistry - VI	2.28	2.28	2.28	2.28	-	-	-	-	-	-	2.28
P.3.5.2	Pharmaceutics- VI (Pharmaceutical Technology-I)	0.87	-	0.87	0.87	-	-	-	-	0.87	-	0.87
P.3.5.3	Pharmacology-I	2.20	-	-	2.20	-	-	-	-	2.20	-	2.20
P 3.5.4	Pharmacognosy –IV	0.95	-	0.95	0.95	-	-	-	-	-	-	0.95
P 3.5.5	Pharmaceutical Analysis-II	2.52	-	2.52	2.52	-	-	-	-	-	2.52	2.52
<b>B. Pharmacy Third Year VI Semester</b>												
T.3.6.1	Pharmaceutical Chemistry - VII	0.76	0.76	0.76	-	-	-	-	-	0.76	-	0.76
T 3.6.2	Pharmaceutics –VII (Biopharmaceutics&Pharmacokinetics)	2.65	2.65	2.65	2.65	-	-	2.65	-	-	2.65	2.65
T. 3.6.3	Pharmacology-II	1.35	-	-	1.35	-	-	-	-	1.35	-	1.35
T 3.6.4	Pharmacognosy –V	2.72	2.72	2.72	2.72	-	2.72	2.72	-	2.72	2.72	2.72
T.3.6.5	Pharmaceutical Jurisprudence & Ethics	0.83	-	0.83	-	-	0.83	0.83	0.83	0.83	-	0.83
P.3.6.1	Pharmaceutical Chemistry - VII	2.44	2.44	2.44	-	2.44	2.44	2.44	2.44	2.44	-	-
P. 3.6.2	Pharmaceutics –VII (Biopharmaceutics&Pharmacokinetics)	0.91	-	0.91	0.91	-	-	-	-	-	0.91	0.91
P. 3.6.3	Pharmacology-II	2.61	-	2.61	2.61	-	-	-	-	-	-	2.61
P 3.6.4	Pharmacognosy –V	0.92	-	0.92	0.92	-	-	-	-	-	-	0.92
P 3.6.6	Project Report	2.60	2.60	2.60	2.60	-	2.60	2.60	-	2.60	2.60	2.60
<b>B. Pharmacy Final Year VII Semester</b>												
T.4.7.1	Pharmaceutical Technology-II	1.27	1.27	1.27	1.27	-	-	-	-	-	-	1.27
T 4.7.2	Pharmaceutical Chemistry- VIII	2.68	-	2.68	2.68	-	-	-	-	2.68	-	2.68
T. 4.7.3	Pharmacology-III	1.12	-	-	1.12	-	-	-	-	1.12	-	1.12

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Shri Amrishbhai R. Patel  
M.L.A.

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Dr. S. B. Bari  
M.Pharm. Ph.D., D.I.M.F.J.C.

Course code	Course Title	Program Outcomes										
		1	2	3	4	5	6	7	8	9	10	11
T 4.7.4	Pharmaceutical Analysis III	2.58	-	2.58	2.58	-	-	-	-	-	-	2.58
T.4.7.5	Pharmaceutical Biotechnology	0.89	-	0.89	0.89	-	-	-	-	-	0.89	0.89
T.4.7.6	Pharmaceutical Industrial Management	2.34	-	2.34	2.34	-	-	-	-	-	-	2.34
P.4.7.1	Pharmaceutical Technology-II	0.89	0.89	0.89	-	0.89	-	-	-	-	0.89	0.89
P.4.7.2	Pharmaceutical Chemistry- VIII	2.75	-	2.75	2.75	-	-	-	-	2.75	-	2.75
P. 4.7.3	Pharmacology-III	0.97	0.97	0.97	0.97	-	-	0.97	-	-	-	0.97
P.4.7.4	Pharmaceutical Analysis III	1.06	1.06	1.06	1.06	1.06	-	-	1.06	-	-	1.06
<b>B. Pharmacy Final Year VIII Semester</b>												
T 4.8.1	Pharmaceutics IX	1.37	-	1.37	1.37	-	-	-	-	-	1.37	1.37
T 4.8.2	Pharmaceutical Analysis IV	2.87	-	2.87	2.87	-	-	-	-	-	-	2.87
T 4.8.3	Pharmaceutical Chemistry- IX	0.72	-	0.72	0.72	-	-	-	-	-	-	0.72
T.4.8.4	Pharmacognosy-VI	2.85	2.85	2.85	2.85	-	2.85	2.85	-	2.85	2.85	2.85
T. 4.8.5	Pharmacology-IV (Clinical Pharmacy and Drug Interactions)	0.55	-	-	0.55	-	0.55	0.55	-	0.55	-	0.55
T. 4.8.6	Pharma Marketing	2.79	2.79	2.79	-	-	-	2.79	2.79	2.79	2.79	-
P- 4.8.1	Pharmaceutics IX	1.25	1.25	1.25	-	-	-	-	-	-	1.25	1.25
P 4.8.2	Pharmaceutical Analysis IV	2.28	2.28	2.28	2.28	2.28	-	-	2.28	-	-	2.28
P 4.8.3	Pharmaceutical Chemistry- IX	1.50	-	1.50	-	1.50	-	-	1.50	-	-	-
P 4.8.4	Pharmacognosy-VI	0.70	-	-	0.70	-	-	-	-	0.70	-	0.70
P 4.8.7	Industrial Training Report	2.60	2.60	2.60	2.60	-	2.60	2.60	-	2.60	2.60	2.60
	Direct Attainment (3 Max)	1.90	2.10	1.94	1.92	2.04	2.10	2.18	2.15	1.92	2.05	1.89
	Direct Attainment (100 %)	63.35	70.06	64.56	63.87	67.87	70.14	72.80	71.75	64.02	68.45	62.89
	Direct Attainment (80 %)	50.68	56.05	51.65	51.09	54.29	56.11	58.24	57.40	51.22	54.76	50.32
	Indirect Attainment (20 %)	18.65	16.27	17.35	17.15	17.02	16.80	17.30	16.65	17.43	16.18	18.23
	<b>Total Attainment (%)</b>	<b>69.33</b>	<b>72.31</b>	<b>69.00</b>	<b>68.24</b>	<b>71.31</b>	<b>72.91</b>	<b>75.54</b>	<b>74.05</b>	<b>68.65</b>	<b>70.94</b>	<b>68.55</b>

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President :  
Shri Amrishbhai R. Patel  
M.L.A.

Principal :  
Dr. S. B. Bari  
M.Pharm. Ph.D., D.I.M.F.J.C.

### Program Outcome Attainment (2019 – 2020)

Course code	Course Title	Program Outcomes											
		1	2	3	4	5	6	7	8	9	10	11	
<b>B. Pharmacy First Year I Semester</b>													
BP101 T	Human Anatomy and Physiology I-	1.39	1.39	-	-	-	-	-	-	-	1.39	-	1.39
BP102 T	Pharmaceutical Analysis-I	1.11	-	1.11	1.11	-	-	-	-	-	1.11	-	1.11
P103 T	Pharmaceutics I	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65
BP104 T	Pharmaceutical Inorganic Chemistry	1.02	1.02	1.02	-	-	-	-	-	-	-	1.02	1.02
BP105T	Communication skills	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	-	2.53
BP106 RBT	Remedial Biology	4.96	-	-	4.96	-	-	-	-	4.96	-	4.96	4.96
BP107 P	Human Anatomy and Physiology	2.35	-	2.35	2.35	-	-	2.35	2.35	-	2.35	2.35	2.35
BP108 P	Pharmaceutical Analysis I	2.93	-	2.93	-	-	-	-	-	-	-	-	2.93
BP109 P	Pharmaceutics I	2.81	2.81	2.81	2.81	2.81	-	-	-	-	2.81	-	2.81
BP110 P	Pharmaceutical Inorganic Chemistry	2.78	2.78	2.78	2.78	-	-	-	2.78	-	-	2.78	2.78
BP111 P	Communication Skills	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	-	2.84
BP112	Remedial Biology	2.43	-	-	2.43	-	-	-	-	2.43	-	2.43	2.43
<b>B. Pharmacy First Year II Semester</b>													
BP201 T	Human Anatomy and Physiology II	2.52	2.52	-	-	-	-	2.52	2.52	-	2.52	-	2.52
BP202 T	Pharmaceutical Organic Chemistry I	2.55	-	2.55	2.55	-	-	-	-	-	-	-	2.55
BP203 T	Biochemistry	2.61	-	2.61	2.61	-	-	-	-	2.61	2.61	-	2.61
BP204 T	Pathophysiology	2.65	2.65	-	-	-	2.65	-	-	-	-	2.65	2.65
BP205 T	Computer Applications in Pharmacy	-	-	1.04	1.04	-	-	1.04	-	-	1.04	-	-
BP207 P	Human Anatomy and Physiology II	2.57	2.57	-	2.57	-	-	2.57	2.57	-	-	-	2.57
BP208 P	Pharmaceutical Organic Chemistry I	2.50	2.50	2.50	-	-	-	-	-	-	-	-	2.50

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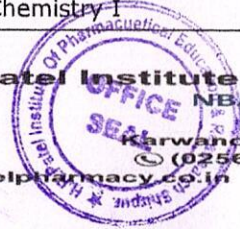
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Course code	Course Title	Program Outcomes										
		1	2	3	4	5	6	7	8	9	10	11
BP209 P	Biochemistry	2.65	-	2.65	-	-	-	-	-	-	-	2.65
BP210 P	Computer Applications in Pharmacy	2.59	2.59	2.59	2.59	-	-	-	-	-	-	2.59
<b>B. Pharmacy Second Year III Semester</b>												
BP301 T	Pharmaceutical Organic Chemistry II	1.57	-	1.57	1.57	-	-	-	-	1.57	-	1.57
BP302 T	Physical Pharmaceutics I	1.96	-	1.96	1.96	-	-	1.96	-	1.96	1.96	1.96
BP303 T	Pharmaceutical Microbiology	1.74	1.74	1.74	-	-	-	-	-	-	-	1.74
BP304 T	Pharmaceutical Engineering	1.39	-	1.39	1.39	-	-	-	1.39	-	-	1.39
5555	Environmental Science	-	-	2.41	-	2.41	-	-	2.41	-	-	-
BP305P	Pharmaceutical Organic Chemistry II	2.81	2.81	2.81	-	-	-	-	-	-	-	2.81
BP306P	Physical Pharmaceutics I	3.00	3.00	3.00	3.00	3.00	-	-	3.00	-	3.00	3.00
BP307P	Pharmaceutical Microbiology	2.82	2.82	2.82	2.82	-	-	-	2.82	2.82	2.82	2.82
BP 308P	Pharmaceutical Engineering	2.92	2.92	2.92	2.92	-	2.92	2.92	2.92	2.92	-	2.92
<b>B. Pharmacy Second Year IV Semester</b>												
BP401 T	Pharmaceutical Organic Chemistry III	2.77	-	-	2.77	-	2.77	2.77	-	-	2.77	2.77
BP402 T	Medicinal Chemistry I	2.71	-	2.71	2.71	-	-	-	-	-	-	2.71
BP403T	Physical Pharmaceutics II	2.83	2.83	2.83	-	-	-	-	-	-	-	2.83
BP404T	Pharmacology I	2.66	-	2.66	-	-	-	-	-	2.66	-	2.66
BP405T	Pharmacognosy and Phytochemistry I	2.76	-	2.76	2.76	-	-	-	-	-	-	2.76
BP406P	Medicinal Chemistry I	2.80	2.80	2.80	2.80	-	-	-	-	-	-	2.80
BP407P	Physical Pharmaceutics II	2.83	2.83	2.83	-	-	-	-	-	-	-	2.83
BP408P	Pharmacology I	2.63	2.63	-	2.63	-	-	2.63	-	-	-	2.63
BP409P	Pharmacognosy and Phytochemistry I	2.79	2.79	2.79	2.79	-	2.79	2.79	-	2.79	2.79	2.79
<b>B. Pharmacy Third Year V Semester</b>												
BP501 T	Medicinal Chemistry II	1.41	-	1.41	1.41	-	-	-	-	-	-	1.41

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Course code	Course Title	Program Outcomes										
		1	2	3	4	5	6	7	8	9	10	11
BP502 T	Industrial Pharmacy I	2.00	-	2.00	2.00	-	-	-	-	-	-	2.00
BP503 T	Pharmacology II	1.76	-	1.76	1.76	-	1.76	1.76	1.76	1.76	1.76	1.76
BP504 T	Pharmacognosy and Phytochemistry II	1.51	-	1.51	1.51	-	-	-	-	-	-	1.51
BP505 T	Pharmaceutical Jurisprudence	2.11	2.11	2.11	-	-	2.11	2.11	-	2.11	-	2.11
BP506P	Industrial Pharmacy I	2.90	2.90	2.90	2.90	2.90	-	-	-	2.90	-	2.90
BP507P	Pharmacology II	2.29	-	-	2.29	-	-	-	-	2.29	-	2.29
BP508P	Pharmacognosy and Phytochemistry II	2.34	-	-	2.34	-	-	-	2.34	-	2.34	2.34
<b>B. Pharmacy Third Year VI Semester</b>												
BP601 T	Medicinal Chemistry III	2.63	-	2.63	2.63	-	-	-	-	-	-	2.63
BP602 T	Pharmacology III	2.73	-	2.73	2.73	-	-	-	-	-	-	2.73
BP603 T	Herbal Drug Technology	2.87	-	2.87	2.87	-	-	2.87	-	2.87	2.87	2.87
BP604 T	Biopharmaceutics and Pharmacokinetics	2.78	2.78	-	-	-	2.78	-	2.78	2.78	-	2.78
BP605 T	Pharmaceutical Biotechnology	2.62	-	2.62	2.62	-	-	-	2.62	2.62	-	2.62
BP606 T	Quality Assurance	2.57	2.57	2.57	-	-	2.57	-	-	2.57	2.57	2.57
BP607P	Medicinal chemistry III	2.76	2.76	2.76	2.76	-	-	-	-	2.76	2.76	2.76
BP608P	Pharmacology III	2.67	-	-	2.67	-	-	-	-	-	-	2.67
BP609P	Herbal Drug Technology	2.63	2.63	-	2.63	-	-	-	2.63	-	2.63	2.63
<b>B. Pharmacy Final Year VII Semester</b>												
T.4.7.1	Pharmaceutical Technology-II (Pharmaceutics VIII)	1.65	1.65	1.65	1.65	-	-	-	-	-	-	1.65
T 4.7.2	Pharmaceutical Chemistry- VIII	2.53	-	2.53	2.53	-	-	-	-	2.53	-	2.53
T. 4.7.3	Pharmacology-III	0.90	-	-	0.90	-	-	-	-	0.90	-	0.90
T 4.7.4	Pharmaceutical Analysis III	2.44	-	2.44	2.44	-	-	-	-	-	-	2.44
T.4.7.5	Pharmaceutical Biotechnology	1.17	-	1.17	1.17	-	-	-	-	-	1.17	1.17
T.4.7.6	Pharmaceutical Industrial Management	1.80	-	1.80	1.80	-	-	-	-	-	-	1.80

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Course code	Course Title	Program Outcomes										
		1	2	3	4	5	6	7	8	9	10	11
P.4.7.1	Pharmaceutical Technology-II (Pharmaceutics VIII)	1.01	1.01	1.01	-	1.01	-	-	-	-	1.01	1.01
P.4.7.2	Pharmaceutical Chemistry- VIII	2.74	-	2.74	2.74	-	-	-	-	2.74	-	2.74
P. 4.7.3	Pharmacology-III	1.30	1.30	1.30	1.30	-	-	1.30	-	-	-	1.30
P.4.7.4	Pharmaceutical Analysis III	1.57	1.57	1.57	1.57	1.57	-	-	1.57	-	-	1.57
<b>B. Pharmacy Final Year VIII Semester</b>												
T 4.8.1	Pharmaceutics IX	2.78	-	2.78	2.78	-	-	-	-	-	2.78	2.78
T 4.8.2	Pharmaceutical Analysis IV	2.28	-	2.28	2.28	-	-	-	-	-	-	2.28
T 4.8.3	Pharmaceutical Chemistry- IX	2.80	-	2.80	2.80	-	-	-	-	-	-	2.80
T.4.8.4	Pharmacognosy-VI	2.84	2.84	2.84	2.84	-	2.84	2.84	-	2.84	2.84	2.84
T. 4.8.5	Pharmacology-IV (Clinical Pharmacy and Drug Interactions)	2.72	-	-	2.72	-	2.72	2.72	-	2.72	-	2.72
T. 4.8.6	Pharma Marketing	2.60	2.60	2.60	-	-	-	2.60	2.60	2.60	2.60	-
P- 4.8.1	Pharmaceutics IX	2.74	2.74	2.74	-	-	-	-	-	-	2.74	2.74
P 4.8.2	Pharmaceutical Analysis IV	2.20	2.20	2.20	2.20	2.20	-	-	2.20	-	-	2.20
P 4.8.3	Pharmaceutical Chemistry- IX	2.89	-	2.89	-	2.89	-	-	2.89	-	-	-
P 4.8.4	Pharmacognosy-VI	2.78	-	-	2.78	-	-	-	-	2.78	-	2.78
P 4.8.7	Industrial Training Report	2.57	2.57	2.57	2.57	-	2.57	2.57	-	2.57	2.57	2.57
	Direct Attainment (3 Max)	2.39	2.41	2.32	2.37	2.37	2.43	2.45	2.53	2.36	2.47	2.38
	Direct Attainment (100 %)	79.67	80.36	77.42	79.00	79.00	80.99	81.77	84.41	78.68	82.41	79.34
	Direct Attainment (80 %)	63.74	64.29	61.93	63.20	63.20	64.79	65.42	67.53	62.94	65.93	63.48
	Indirect Attainment (20 %)	19.38	16.67	16.37	15.13	16.52	17.53	17.78	16.13	16.90	17.33	19.25
	<b>Total Attainment (%)</b>	<b>83.12</b>	<b>80.96</b>	<b>78.30</b>	<b>78.33</b>	<b>79.72</b>	<b>82.31</b>	<b>83.20</b>	<b>83.66</b>	<b>79.84</b>	<b>83.26</b>	<b>82.73</b>

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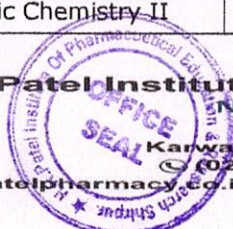
President :  
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Principal :  
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### Program Outcome Attainment (2020 – 2021)

Course code	Course Title	Program Outcomes											
		1	2	3	4	5	6	7	8	9	10	11	
<b>B. Pharmacy First Year I Semester</b>													
BP101 T	Human Anatomy and Physiology I-	3.00	3.00	-	-	-	-	-	-	-	3.00	-	3.00
BP102 T	Pharmaceutical Analysis-I	2.78	-	2.78	2.78	-	-	-	-	-	2.78	-	2.78
P103 T	Pharmaceutics I	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
BP104 T	Pharmaceutical Inorganic Chemistry	2.99	2.99	2.99	-	-	-	-	-	-	-	2.99	2.99
BP105T	Communication skills	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	-	2.93
BP106 RBT	Remedial Biology	2.95	-	-	2.95	-	-	-	-	2.95	-	2.95	2.95
BP107 P	Human Anatomy and Physiology	2.98	-	2.98	2.98	-	2.98	2.98	-	2.98	2.98	2.98	2.98
BP108 P	Pharmaceutical Analysis I	2.93	-	2.93	-	-	-	-	-	-	-	-	2.93
BP109 P	Pharmaceutics I	3.00	3.00	3.00	3.00	3.00	-	-	-	-	3.00	-	3.00
BP110 P	Pharmaceutical Inorganic Chemistry	3.00	3.00	3.00	3.00	-	-	3.00	-	-	3.00	3.00	3.00
BP111 P	Communication Skills	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	-	2.69
BP112	Remedial Biology	2.93	-	-	2.93	-	-	-	-	2.93	-	2.93	2.93
<b>B. Pharmacy First Year II Semester</b>													
BP201 T	Human Anatomy and Physiology II	2.97	2.97	-	-	-	2.97	2.97	-	2.97	-	2.97	2.97
BP202 T	Pharmaceutical Organic Chemistry I	2.99	-	2.99	2.99	-	-	-	-	-	-	-	2.99
BP203 T	Biochemistry	2.99	-	2.99	2.99	-	-	-	2.99	2.99	-	-	2.99
BP204 T	Pathophysiology	2.99	2.99	-	-	2.99	-	-	-	-	-	2.99	2.99
BP205 T	Computer Applications in Pharmacy	-	-	2.37	2.37	-	2.37	-	-	-	2.37	-	-
BP207 P	Human Anatomy and Physiology II	2.96	2.96	-	2.96	-	2.96	2.96	-	-	-	-	2.96
BP208 P	Pharmaceutical Organic Chemistry I	2.97	2.97	2.97	-	-	-	-	-	-	-	-	2.97
BP209 P	Biochemistry	2.96	-	2.96	-	-	-	-	-	-	-	-	2.96
BP210 P	Computer Applications in Pharmacy	2.99	2.99	2.99	2.99	-	-	-	-	-	-	-	2.99
<b>B. Pharmacy Second Year III Semester</b>													
BP301 T	Pharmaceutical Organic Chemistry II	2.97	-	2.97	2.97	-	-	-	-	-	2.97	-	2.97

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President :  
Shri Amrishbhai R. Patel  
M.L.A.

Principal :  
Dr. S. B. Bari  
M.Pharm. Ph.D., D.I.M.F.J.C.

Course code	Course Title	Program Outcomes										
		1	2	3	4	5	6	7	8	9	10	11
BP302 T	Physical Pharmaceutics I	3.00	-	3.00	3.00	-	-	3.00	-	3.00	3.00	3.00
BP303 T	Pharmaceutical Microbiology	2.96	2.96	2.96	-	-	-	-	-	-	-	2.96
BP304 T	Pharmaceutical Engineering	3.00	-	3.00	3.00	-	-	-	3.00	-	-	3.00
5555	Environmental Science	-	-	2.94	-	2.94	-	-	2.94	-	-	-
BP305P	Pharmaceutical Organic Chemistry II	2.78	2.78	2.78	-	-	-	-	-	-	-	2.78
BP306P	Physical Pharmaceutics I	2.82	2.82	2.82	2.82	2.82	-	-	2.82	-	2.82	2.82
BP307P	Pharmaceutical Microbiology	2.70	2.70	2.70	2.70	-	-	-	-	2.70	2.70	2.70
BP 308P	Pharmaceutical Engineering	3.00	3.00	3.00	3.00	-	3.00	3.00	3.00	3.00	-	3.00
<b>B. Pharmacy Second Year IV Semester</b>												
BP401 T	Pharmaceutical Organic Chemistry III	3.00	-	-	3.00	-	3.00	3.00	-	-	3.00	3.00
BP402 T	Medicinal Chemistry I	3.00	-	3.00	3.00	-	-	-	-	-	-	3.00
BP403T	Physical Pharmaceutics II	2.95	2.95	2.95	-	-	-	-	-	-	-	2.95
BP404T	Pharmacology I	2.98	-	2.98	-	-	-	-	-	2.98	-	2.98
BP405T	Pharmacognosy and Phytochemistry I	3.00	-	3.00	3.00	-	-	-	-	-	-	3.00
BP406P	Medicinal Chemistry I	2.96	2.96	2.96	2.96	-	-	-	-	-	-	2.96
BP407P	Physical Pharmaceutics II	2.97	2.97	2.97	-	-	-	-	-	-	-	2.97
BP408P	Pharmacology I	2.85	2.85	-	2.85	-	-	2.85	-	-	-	2.85
BP409P	Pharmacognosy and Phytochemistry I	2.99	2.99	2.99	2.99	-	2.99	2.99	-	2.99	2.99	2.99
<b>B. Pharmacy Third Year V Semester</b>												
BP501 T	Medicinal Chemistry II	2.99	-	2.99	2.99	-	-	-	-	-	-	2.99
BP502 T	Industrial Pharmacy I	2.99	-	2.99	2.99	-	-	-	-	-	-	2.99
BP503 T	Pharmacology II	2.99	-	2.99	2.99	-	2.99	2.99	2.99	2.99	2.99	2.99
BP504 T	Pharmacognosy and Phytochemistry II	3.00	-	3.00	3.00	-	-	-	-	-	-	3.00
BP505 T	Pharmaceutical Jurisprudence	3.00	3.00	3.00	-	-	3.00	3.00	-	3.00	-	3.00
BP506P	Industrial Pharmacy I	2.90	2.90	2.90	2.90	2.90	-	-	-	2.90	-	2.90
BP507P	Pharmacology II	2.83	-	-	2.83	-	-	-	-	2.83	-	2.83
BP508P	Pharmacognosy and Phytochemistry II	2.97	-	-	2.97	-	-	-	2.97	-	2.97	2.97
<b>B. Pharmacy Third Year VI Semester</b>												

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Course code	Course Title	Program Outcomes										
		1	2	3	4	5	6	7	8	9	10	11
BP601 T	Medicinal Chemistry III	3.00	-	3.00	3.00	-	-	-	-	-	-	3.00
BP602 T	Pharmacology III	3.00	-	3.00	3.00	-	-	-	-	-	-	3.00
BP603 T	Herbal Drug Technology	3.00	-	3.00	3.00	-	-	3.00	-	3.00	3.00	3.00
BP604 T	Biopharmaceutics and Pharmacokinetics	3.00	3.00	-	-	-	3.00	-	3.00	3.00	-	3.00
BP605 T	Pharmaceutical Biotechnology	3.00	-	3.00	3.00	-	-	-	3.00	3.00	-	3.00
BP606 T	Quality Assurance	3.00	3.00	3.00	-	-	3.00	-	-	3.00	3.00	3.00
BP607P	Medicinal chemistry III	2.91	2.91	2.91	2.91	-	-	-	-	2.91	2.91	2.91
BP608P	Pharmacology III	2.78	-	-	2.78	-	-	-	-	-	-	2.78
BP609P	Herbal Drug Technology	3.00	3.00	-	3.00	-	-	-	3.00	-	3.00	3.00
<b>B. Pharmacy Final Year VII Semester</b>												
BP701 T	Instrumental Methods of Analysis	2.88	2.88	2.88	2.88	-	2.88	-	-	-	-	2.88
BP702 T	Industrial Pharmacy II	2.98	2.98	2.98	2.98	-	2.98	-	2.98	-	-	2.98
BP703 T	Pharmacy Practice	2.94	-	-	2.94	-	-	-	-	-	-	2.94
BP704 T	Novel Drug Delivery System	2.97	2.97	2.97	2.97	-	2.97	2.97	-	2.97	2.97	2.97
BP705P	Instrumental Methods of Analysis	2.50	2.50	2.50	2.50	2.50	-	-	2.50	-	-	2.50
BP706PS	Practice School*	2.85	-	-	-	-	2.85	-	-	-	-	2.85
<b>B. Pharmacy Final Year VIII Semester</b>												
BP801 T	Biostatistics and Research Methodology	2.26	2.26	2.26	-	-	-	-	-	2.26	-	2.26
BP802 T	Social and Preventive Pharmacy	3.00	3.00	3.00	3.00	-	-	3.00	-	-	3.00	3.00
BP804 ET	Pharmaceutical Regulatory Science	3.00	-	-	3.00	-	-	-	-	3.00	-	3.00
BP806 ET	Quality Control and Standardization of Herbals	3.00	3.00	3.00	3.00	-	3.00	3.00	-	3.00	3.00	3.00
BP813 PW	Project Work	2.42	-	2.42	-	-	2.42	2.42	2.42	2.42	-	2.42
	Direct Attainment (3 Max)	2.92	2.91	2.91	2.93	2.86	2.90	2.93	2.90	2.89	2.96	2.92
	Direct Attainment (100 %)	97.46	97.00	96.96	97.54	95.47	96.63	97.81	96.51	96.25	98.71	97.46
	Direct Attainment (80 %)	77.97	77.60	77.57	78.04	76.37	77.30	78.25	77.21	77.00	78.97	77.97
	Indirect Attainment (20 %)	18.87	17.68	17.60	17.82	17.78	18.08	18.23	18.17	18.13	17.78	18.25

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Principal :  
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M.Pharm. Ph.D., D.I.M.F.J.C.

Course code	Course Title	Program Outcomes										
		1	2	3	4	5	6	7	8	9	10	11
	Total Attainment (%)	96.84	95.28	95.17	95.85	94.16	95.38	96.48	95.37	95.13	96.75	96.22



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Principal :  
Dr. S. B. Bari  
M.Pharm. Ph.D., D.I.M.F.J.C.

### Program Outcome Attainment (2021 – 2022)

Course code	Course Title	Program Outcomes											
		1	2	3	4	5	6	7	8	9	10	11	
<b>B. Pharmacy First Year I Semester</b>													
BP101 T	Human Anatomy and Physiology I–	3.00	3.00	-	-	-	-	-	-	-	3.00	-	3.00
BP102 T	Pharmaceutical Analysis-I	3.00	-	3.00	3.00	-	-	-	-	-	3.00	-	3.00
P103 T	Pharmaceutics I	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
BP104 T	Pharmaceutical Inorganic Chemistry	3.00	3.00	3.00	-	-	-	-	-	-	-	3.00	3.00
BP105T	Communication skills	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	-	3.00
BP106 RBT	Remedial Biology	3.00	-	-	3.00	-	-	-	-	3.00	-	3.00	3.00
BP107 P	Human Anatomy and Physiology	3.00	-	3.00	3.00	-	3.00	3.00	-	3.00	3.00	3.00	3.00
BP108 P	Pharmaceutical Analysis I	3.00	-	3.00	-	-	-	-	-	-	-	-	3.00
BP109 P	Pharmaceutics I	3.00	3.00	3.00	3.00	3.00	-	-	-	3.00	-	-	3.00
BP110 P	Pharmaceutical Inorganic Chemistry	3.00	3.00	3.00	3.00	-	-	3.00	-	-	-	3.00	3.00
BP111 P	Communication Skills	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	-	3.00
BP112	Remedial Biology	3.00	-	-	3.00	-	-	-	-	3.00	-	3.00	3.00
<b>B. Pharmacy First Year II Semester</b>													
BP201 T	Human Anatomy and Physiology II	3.00	3.00	-	-	-	3.00	3.00	-	3.00	-	-	3.00
BP202 T	Pharmaceutical Organic Chemistry I	2.81	-	2.81	2.81	-	-	-	-	-	-	-	2.81
BP203 T	Biochemistry	2.18	-	2.18	2.18	-	-	-	2.18	2.18	-	-	2.18
BP204 T	Pathophysiology	3.00	3.00	-	-	3.00	-	-	-	-	-	3.00	3.00
BP205 T	Computer Applications in Pharmacy	-	-	3.00	3.00	-	3.00	-	-	-	3.00	-	-
BP207 P	Human Anatomy and Physiology II	3.00	3.00	-	3.00	-	3.00	3.00	-	-	-	-	3.00
BP208 P	Pharmaceutical Organic Chemistry I	3.00	3.00	3.00	-	-	-	-	-	-	-	-	3.00
BP209 P	Biochemistry	3.00	-	3.00	-	-	-	-	-	-	-	-	3.00
BP210 P	Computer Applications in Pharmacy	3.00	3.00	3.00	3.00	-	-	-	-	-	-	-	3.00
<b>B. Pharmacy Second Year III Semester</b>													
BP301 T	Pharmaceutical Organic Chemistry II	3.00	-	3.00	3.00	-	-	-	-	-	3.00	-	3.00

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Course code	Course Title	Program Outcomes										
		1	2	3	4	5	6	7	8	9	10	11
BP302 T	Physical Pharmaceutics I	3.00	-	3.00	3.00	-	-	3.00	-	3.00	3.00	3.00
BP303 T	Pharmaceutical Microbiology	3.00	3.00	3.00	-	-	-	-	-	-	-	3.00
BP304 T	Pharmaceutical Engineering	3.00	-	3.00	3.00	-	-	-	3.00	-	-	3.00
5555	Environmental Science	-	-	3.00	-	3.00	-	-	3.00	-	-	-
BP305P	Pharmaceutical Organic Chemistry II	3.00	3.00	3.00	-	-	-	-	-	-	-	3.00
BP306P	Physical Pharmaceutics I	3.00	3.00	3.00	3.00	3.00	-	-	3.00	-	3.00	3.00
BP307P	Pharmaceutical Microbiology	3.00	3.00	3.00	3.00	-	-	-	-	3.00	3.00	3.00
BP 308P	Pharmaceutical Engineering	3.00	3.00	3.00	3.00	-	3.00	3.00	3.00	3.00	-	3.00
<b>B. Pharmacy Second Year IV Semester</b>												
BP401 T	Pharmaceutical Organic Chemistry III	3.00	-	-	3.00	-	3.00	3.00	-	-	3.00	3.00
BP402 T	Medicinal Chemistry I	1.38	-	1.38	1.38	-	-	-	-	-	-	1.38
BP403T	Physical Pharmaceutics II	2.61	2.61	2.61	-	-	-	-	-	-	-	2.61
BP404T	Pharmacology I	3.00	-	3.00	-	-	-	-	-	3.00	-	3.00
BP405T	Pharmacognosy and Phytochemistry I	2.15	-	2.15	2.15	-	-	-	-	-	-	2.15
BP406P	Medicinal Chemistry I	3.00	3.00	3.00	3.00	-	-	-	-	-	-	3.00
BP407P	Physical Pharmaceutics II	3.00	3.00	3.00	-	-	-	-	-	-	-	3.00
BP408P	Pharmacology I	3.00	3.00	-	3.00	-	-	3.00	-	-	-	3.00
BP409P	Pharmacognosy and Phytochemistry I	3.00	3.00	3.00	3.00	-	3.00	3.00	-	3.00	3.00	3.00
<b>B. Pharmacy Third Year V Semester</b>												
BP501 T	Medicinal Chemistry II	2.78	-	2.78	2.78	-	-	-	-	-	-	2.78
BP502 T	Industrial Pharmacy I	3.00	-	3.00	3.00	-	-	-	-	-	-	3.00
BP503 T	Pharmacology II	3.00	-	3.00	3.00	-	3.00	3.00	3.00	3.00	3.00	3.00
BP504 T	Pharmacognosy and Phytochemistry II	3.00	-	3.00	3.00	-	-	-	-	-	-	3.00
BP505 T	Pharmaceutical Jurisprudence	3.00	3.00	3.00	-	-	3.00	3.00	-	3.00	-	3.00
BP506P	Industrial Pharmacy I	3.00	3.00	3.00	3.00	3.00	-	-	-	3.00	-	3.00
BP507P	Pharmacology II	3.00	-	-	3.00	-	-	-	-	3.00	-	3.00
BP508P	Pharmacognosy and Phytochemistry II	3.00	-	-	3.00	-	-	-	3.00	-	3.00	3.00
<b>B. Pharmacy Third Year VI Semester</b>												

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Course code	Course Title	Program Outcomes										
		1	2	3	4	5	6	7	8	9	10	11
BP601 T	Medicinal Chemistry III	2.20	-	2.20	2.20	-	-	-	-	-	-	2.20
BP602 T	Pharmacology III	3.00	-	3.00	3.00	-	-	-	-	-	-	3.00
BP603 T	Herbal Drug Technology	3.00	-	3.00	3.00	-	-	3.00	-	3.00	3.00	3.00
BP604 T	Biopharmaceutics and Pharmacokinetics	3.00	3.00	-	-	-	3.00	-	3.00	3.00	-	3.00
BP605 T	Pharmaceutical Biotechnology	3.00	-	3.00	3.00	-	-	-	3.00	3.00	-	3.00
BP606 T	Quality Assurance	3.00	3.00	3.00	-	-	3.00	-	-	3.00	3.00	3.00
BP607P	Medicinal chemistry III	3.00	3.00	3.00	3.00	-	-	-	-	3.00	3.00	3.00
BP608P	Pharmacology III	3.00	-	-	3.00	-	-	-	-	-	-	3.00
BP609P	Herbal Drug Technology	3.00	3.00	-	3.00	-	-	-	3.00	-	3.00	3.00
<b>B. Pharmacy Final Year VII Semester</b>												
BP701 T	Instrumental Methods of Analysis	3.00	3.00	3.00	3.00	-	3.00	-	-	-	-	3.00
BP702 T	Industrial Pharmacy II	3.00	3.00	3.00	3.00	-	3.00	-	3.00	-	-	3.00
BP703 T	Pharmacy Practice	3.00	-	-	3.00	-	-	-	-	-	-	3.00
BP704 T	Novel Drug Delivery System	3.00	3.00	3.00	3.00	-	3.00	3.00	-	3.00	3.00	3.00
BP705P	Instrumental Methods of Analysis	3.00	3.00	3.00	3.00	3.00	-	-	3.00	-	-	3.00
BP706PS	Practice School*	2.70	-	-	-	-	2.70	-	-	-	-	2.70
<b>B. Pharmacy Final Year VIII Semester</b>												
BP801 T	Biostatistics and Research Methodology	3.00	3.00	3.00	-	-	-	-	-	3.00	-	3.00
BP802 T	Social and Preventive Pharmacy	3.00	3.00	3.00	3.00	-	-	3.00	-	-	3.00	3.00
BP804 ET	Pharmaceutical Regulatory Science	3.00	-	-	3.00	-	-	-	-	3.00	-	3.00
BP806 ET	Quality Control and Standardization of Herbals	3.00	3.00	3.00	3.00	-	3.00	3.00	-	3.00	3.00	3.00
BP813 PW	Project Work	3.00	-	3.00	-	-	3.00	3.00	3.00	3.00	-	3.00
	Direct Attainment (3 Max)	2.92	2.99	2.90	2.91	3.00	2.99	3.00	2.95	2.97	3.00	2.92
	Direct Attainment (100 %)	97.34	99.63	96.80	96.87	100	99.50	100	98.47	99.08	100	97.34
	Direct Attainment (80 %)	77.87	79.71	77.44	77.50	80.00	79.60	80.00	78.78	79.27	80.00	77.87
	Indirect Attainment (20 %)	18.22	16.25	17.22	17.66	17.10	16.80	17.22	16.70	18.10	16.50	18.20



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Course code	Course Title	Program Outcomes										
		1	2	3	4	5	6	7	8	9	10	11
	Total Attainment (%)	96.09	95.96	94.66	95.16	97.10	96.40	97.22	95.48	97.37	96.50	96.07



  
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