



Hon. Shri. Babanrao Pachpute Vichardhara Trust's Group of Institutions

Faculty of Pharmacy

A/P-Kashti, Tal-Shrigonda, Dist-Ahmednagar, Pin- 414701

Approved by PCI, New Delhi, Affiliated to Savitribai Phule Pune University, Pune & MSBTE, Mumbai.

Website – www.parikrama.edu.in, Phone – 9766126772, Email – pariphr@gmail.com

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2.6 Student Performance and Learning Outcome

2.6.2 Attainment of POs and COs are evaluated.

Academic Year 2023-24



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2.6.2: Evaluation of Attainment of Course Outcomes

The attainment of Course Outcomes (COs) is systematically evaluated using a formal course-embedded matrix method. This approach ensures uniformity across all courses and leverages readily available data from internal and university examinations.

Evaluation Process

The evaluation of CO attainment is based on student performance in internal sessional examinations and university semester-end examinations. The institute has established specific targets for evaluation, ensuring a consistent and measurable assessment process.

1. Internal Sessional Examination (ISE)

For courses under the 2019 pattern prescribed by Savitribai Phule Pune University (SPPU), Pune, CO attainment in internal assessments is calculated as follows:

- **Theory Assessment:** Internal examination is conducted for 30 marks, which is scaled down to 15 marks for CO evaluation.
- **Practical Assessment:** Practical sessional examinations are conducted for 40 marks and scaled to 10 marks for CO evaluation.
- **Sessional Exams:** Two sessional exams are conducted for each theory and practical course, and the average of the two exams is used for attainment calculations.

Question Paper Design and Mapping


- Theory sessional examinations include objective, short answer, and long answer questions. These are designed to align with the COs and Bloom's Taxonomy levels, ensuring comprehensive evaluation.
- Practical assessments consider sessional examination scores, journal marks, and continuous evaluation.
- All question papers for theory and practical exams are mapped to their respective COs and Bloom's levels to maintain quality and consistency.

Marks Utilization

Marks obtained by students in theory and practical internal examinations are analyzed to calculate the attainment of each course's outcomes.

2. University Semester-End Examination




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The semester-end examinations conducted by SPPU serve as a crucial component of CO evaluation:

- **Theory Examination:** Conducted for 75 marks.
- **Practical Examination:** Conducted for 35 marks.
- In the absence of detailed performance indicators like averages or median marks from the university, the institute has established its own parameters for evaluating program attainment.

Attainment Calculation

The CO attainment is derived from both internal and external assessments:

- Internal sessional marks contribute to the continuous evaluation of students' understanding.
- University examination marks provide a comprehensive measure of student achievement against the prescribed course objectives.

Quality Assurance

To ensure quality and alignment with the curriculum, the examination department reviews all question papers for proper CO mapping and Bloom's level categorization. This rigorous process guarantees that assessments accurately reflect the intended learning outcomes.

By employing this structured evaluation framework, the institute ensures a robust and transparent mechanism for assessing CO attainment, fostering academic excellence and continuous improvement.




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2.6.2 Course Wise CO Attainment for 2023-24 Batch

First Year B. Pharmacy

First Semester

Course	Internal	External
BP101T Human Anatomy and Physiology I: Theory		
BP101T.1	2.57	3.00
BP101T.2	3.00	3.00
BP101T.3	2.52	3.00
BP101T.4	2.17	3.00
BP101T.5	3.00	3.00
BP101T.6	3.00	3.00
Average	2.71	3.00
Direct Total Attainment	0.68	2.25
Final Direct Course Attainment	2.93	
BP102T Pharmaceutical Analysis: Theory		
BP102T.1	2.08	3.00
BP102T.2	2.16	3.00
BP102T.3	3.00	3.00
BP102T.4	2.84	3.00
BP102T.5	2.64	3.00
BP102T.6	3.00	3.00
Average	2.62	3.00
Final Direct Course Attainment	2.91	
BP103T Pharmaceutics I: Theory		
BP103T.1	2.53	3.00
BP103T.2	2.27	3.00
BP103T.3	2.00	3.00
BP103T.4	3.00	3.00
BP103T.5	3.00	3.00
BP 103T.6	3.00	3.00
Average	2.63	3.00
Final Direct Course Attainment	2.91	
BP104T Pharmaceutical Inorganic Chemistry: Theory		
BP104T.1	2.76	3.00
BP104T.2	2.68	3.00
BP104T.3	2.48	3.00
BP104T.4	2.25	3.00
BP104T.5	2.90	3.00
BP104T.6	3.00	3.00
Average	2.68	3.00



Direct Total Attainment	0.65	2.25
Final Direct Course Attainment	2.90	
BP105T Communication Skills: Theory		
BP105T.1	2.86	3.00
BP105T.2	2.50	3.00
BP105T.3	2.50	3.00
BP105T.4	3.00	3.00
BP105T.5	3.00	3.00
BP105T.6	3.00	3.00
Average	2.81	3.00
Direct Total Attainment	0.70	2.10
Final Direct Course Attainment	2.80	
BP106RBT Remedial Biology: Theory		
BP106RBT.1	3.00	3.00
BP106RBT.2	3.00	3.00
BP106RBT.3	3.00	3.00
Average	3.00	3.00
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	
BP106RMT Remedial Mathematics: Theory		
BP106T1	3.00	1.00
BP106T2	3.00	1.00
BP106T3	3.00	1.00
BP106T4	3.00	1.00
BP106T5	3.00	1.00
Average	3.00	1.00
Direct Total Attainment	0.75	0.75
Final Direct Course Attainment	1.50	
BP107P Human Anatomy and Physiology I: Practical		
BP 107P.1	3.00	3.00
BP107P.2	3.00	3.00
BP107P.3	3.00	3.00
BP107P.4	2.92	3.00
BP107P.5	2.77	3.00
BP107P.6	2.77	3.00
Average	2.91	3.00
Direct Total Attainment	0.73	2.25
Final Direct Course Attainment	2.98	
BP108P Pharmaceutical Analysis: Practical		
BP108 P.1	1.89	3.00
BP108P.2	1.93	3.00
BP 108 P.3	1.57	3.00



BP 108 P.4	2.04	3.00
BP108P.5	2.32	3.00
BP108P.6	2.25	3.00
Average	0.50	3.00
Direct Total Attainment	0.90	2.10
Final Direct Course Attainment	2.75	
BP109P Pharmaceutics I: Practical		
BP109P.1	0.69	3.00
BP109P.2	0.69	3.00
BP109P.3	3.00	3.00
BP109P.4	3.00	3.00
BP109P.5	3.00	3.00
BP109P.6	3.00	3.00
Average	2.23	3.00
Direct Total Attainment	0.56	2.25
Final Direct Course Attainment	2.81	
BP110P Pharmaceutical Inorganic Chemistry: Practical		
BP110P.1	3.00	3.00
BP110P.2	3.00	3.00
BP110P.3	2.83	3.00
BP110P.4	3.00	3.00
BP110P.5	3.00	3.00
BP110P.6	3.00	3.00
Average	2.97	3.00
Direct Total Attainment	0.89	2.10
Final Direct Course Attainment	2.99	
BP111P Communication Skills: Practical		
BP111P.1	3.00	3.00
BP111P.2	3.00	3.00
BP111P.3	3.00	3.00
BP111P.4	3.00	3.00
BP111P.5	3.00	3.00
BP111P.6	3.00	3.00
Direct Total Attainment	0.99	2.01
Final Direct Course Attainment	3.00	

First Year B. Pharmacy

Second Semester

Course	Internal	External
BP201T Human Anatomy and Physiology II: Theory		
BP201T.1	1.33	2.00



BP201T.2	1.80	2.00
BP201T.3	3.00	2.00
BP201T.4	3.00	2.00
BP201T.5	3.00	2.00
BP201T.6	3.00	2.00
Average	2.52	2.00
Direct Total Attainment	0.63	1.50
Final Direct Course Attainment	2.13	
BP202T Pharmaceutical Organic Chemistry I: Theory		
BP202T.1	3.00	2.00
BP202T.2	3.00	2.00
BP202T.3	3.00	2.00
BP202T.4	3.00	2.00
BP202T.5	2.78	2.00
BP202T.6	2.63	2.00
Average	2.90	2.00
Direct Total Attainment	0.72	1.50
Final Direct Course Attainment	2.23	
BP203T Biochemistry: Theory		
BP202T.1	3.00	2.00
BP202T.2	3.00	2.00
BP202T.3	3.00	2.00
BP202T.4	3.00	2.00
BP202T.5	2.78	2.00
BP202T.6	2.63	2.00
Average	2.90	2.00
Direct Total Attainment	0.72	1.50
Final Direct Course Attainment	2.23	
BP204T Pathophysiology: Theory		
BP204T.1	2.00	1.00
BP204T.2	2.67	1.00
BP204T.3	3.00	1.00
BP204T.4	3.00	1.00
BP204T.5	3.00	1.00
BP204T.6	2.00	1.00
Average	2.61	1.00
Direct Total Attainment	0.65	0.75
Final Direct Course Attainment	1.40	
BP205T Computer Applications in Pharmacy: Theory		
BP205T.1	3.00	3.00
BP205T.2	3.00	3.00
BP205T.3	3.00	3.00


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BP205T.4	3.00	3.00
BP205T.5	3.00	3.00
BP205T.6	3.00	3.00
Average	3.00	3.00
Direct Total Attainment	0.99	2.01
Final Direct Course Attainment	3.00	
BP206T Environmental sciences: Theory		
BP206T.1	2.57	
BP206T.2	3.00	3.00
BP206T.3	3.00	3.00
BP206T.4	2.67	3.00
BP206T.5	3.00	3.00
BP206T.6	3.00	3.00
Average	2.87	3.00
Direct Total Attainment	0.72	2.25
Final Direct Course Attainment	2.97	
BP207P Human Anatomy and Physiology II: Practical		
BP207P1	2.75	3.00
BP207P2	2.91	3.00
BP207P3	2.86	3.00
BP207P4	2.89	3.00
BP207P5	2.79	3.00
BP207P6	2.75	3.00
Average	2.83	3.00
Direct Total Attainment	0.71	2.25
Final Direct Course Attainment	2.96	
BP208P Pharmaceutical Organic Chemistry I: Practical		
BP208P.1	2.43	3.00
BP208P.2	2.19	3.00
BP208P.3	2.51	3.00
BP208P.4	2.20	3.00
BP208P.5	2.29	3.00
BP208P.6	1.96	3.00
Average	2.26	3.00
Direct Total Attainment	0.57	2.25
Final Direct Course Attainment	2.82	
BP209P Biochemistry: Practical		
BP209P.1	2.96	3.00
BP209P.2	3.00	3.00
BP209P.3	3.00	3.00
BP209P.4	2.94	3.00



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BP209P.5	2.96	3.00
BP209P.6	2.92	3.00
Average	2.96	3.00
Direct Total Attainment	0.89	2.10
Final Direct Course Attainment	2.99	
BP210P Computer Applications in Pharmacy:		
Practical		
BP210P.1	2.72	2.73
BP210P.2	2.71	2.75
BP210P.3	2.80	2.75
BP210P.4	2.77	2.75
BP210P.5	2.97	2.75
BP210P.6	2.84	2.75
Average	2.80	2.75
Direct Total Attainment	0.93	1.84
Final Direct Course Attainment	2.77	

Second Year B. Pharmacy

Third Semester

Course	Internal	External
BP301.T Pharmaceutical Organic Chemistry II:		
Theory		
BP301T.1	3.00	3.00
BP301T.2	3.00	3.00
BP301T.3	3.00	3.00
BP301T.4	3.00	3.00
BP301T.5	3.00	3.00
BP301T.6	3.00	3.00
Average	3.00	3.00
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	
BP302T Physical Pharmaceutics – I: Theory		
BP302T.1	3.00	3.00
BP302T.3	3.00	3.00
BP302T.4	3.00	3.00
BP302T.5	3.00	3.00
BP302T.6	2.86	3.00
BP302T.2	3.00	3.00
Average	2.98	3.00
Direct Total Attainment	0.74	2.25
Final Direct Course Attainment	3.00	


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BP303T Pharmaceutical Microbiology: Theory		
BP303T.1	3.00	3.00
BP303T.2	2.73	3.00
BP303T.3	3.00	3.00
BP303T.4	3.00	3.00
BP303T.5	3.00	3.00
BP303T.6	3.00	3.00
Average	2.96	3.00
Direct Total Attainment	0.74	2.25
Final Direct Course Attainment	3.00	
BP304T Pharmaceutical Engineering: Theory		
BP304T.1	3.00	3.00
BP304T.2	2.92	3.00
BP304T.3	3.00	3.00
BP304T.4	3.00	3.00
BP304T.5	3.00	3.00
BP304T. 6	3.00	3.00
Average	2.99	3.00
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	
BP305P Pharmaceutical Organic Chemistry II: Practical		
BP305P.1	2.29	3.00
BP305P.2	1.32	3.00
BP305P.3	2.07	3.00
BP305P.4	3.00	3.00
BP305P.5	3.00	3.00
BP305P.6	3.00	3.00
Average	2.45	3.00
Direct Total Attainment	0.61	2.25
Final Direct Course Attainment	2.86	
BP306P Physical Pharmaceutics – I: Practical		
BP306P.1	2.68	3.00
BP306P.2	2.71	3.00
BP306P.3	3.00	3.00
BP306P.4	3.00	3.00
BP306P.5	3.00	3.00
BP306P.6	3.00	3.00
Average	2.90	3.00
Direct Total Attainment	0.72	2.25
Final Direct Course Attainment	2.97	
BP307P Pharmaceutical Microbiology: Practical		



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BP307P.1	3.00	3.00
BP307P.6	3.00	3.00
BP307P.2	2.90	3.00
BP307P.4	2.39	3.00
BP307P.3	2.56	3.00
BP307P.5	2.33	3.00
BP307P.1	3.00	3.00
Direct Total Attainment	0.67	2.25
Final Direct Course Attainment	2.92	
BP308P Pharmaceutical Engineering: Practical		
BP308P.1	1.67	3.00
BP308P.2	1.90	3.00
BP308P.3	1.60	3.00
BP308P.4	2.80	3.00
BP308P.5	2.67	3.00
BP308P.6	2.67	3.00
Average	2.22	3.00
Direct Total Attainment	0.66	2.10
Final Direct Course Attainment	2.76	
BP105T Communication Skill: Theory (Direct Second Year Students)		
BP105T.1	3.00	1.50
BP105T.2	3.00	1.50
BP105T.3	2.89	3.00
BP105T.4	3.00	3.00
BP105T.5	2.83	3.00
BP105T.6	3.00	3.00
Average	2.95	2.50
Direct Total Attainment	0.74	1.88
Final Direct Course Attainment	2.61	

Second Year B. Pharmacy: Fourth Semester		
Course	Internal	External
BP401T Pharmaceutical Organic Chemistry III: Theory		
BP401T.1	3.00	3.00
BP401T.2	3.00	3.00
BP401T.3	3.00	3.00
BP401T.4	3.00	3.00
BP401T.5	3.00	3.00
BP401T.6	3.00	3.00


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Average	3.00	3.00
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	
BP402T Medicinal Chemistry I: Theory		
BP402T.1	2.85	2.00
BP402T.2	2.92	2.00
BP403T.3	2.69	2.00
BP404T.4	2.85	2.00
BP402T.5	2.89	2.00
BP402T.6	2.81	2.00
Average	2.84	2.00
Direct Total Attainment	0.71	1.50
Final Direct Course Attainment	2.21	
BP403T Physical Pharmaceutics II: Theory		
BP403T.1	2.68	3.00
BP403T.2	2.68	3.00
BP403T.3	3.00	3.00
BP403T.4	3.00	3.00
BP403T.5	3.00	3.00
BP403T.6	3.00	3.00
Average	2.89	3.00
Direct Total Attainment	0.72	2.25
Final Direct Course Attainment	2.97	
BP404T Pharmacology I: Theory		
BP404T.1	3.00	3.00
BP404T.2	3.00	3.00
BP404T.3	3.00	3.00
BP404T.4	2.88	3.00
BP404T.5	2.72	3.00
BP404T.6	2.40	3.00
Average	2.83	3.00
Direct Total Attainment	0.71	2.25
Final Direct Course Attainment	2.96	
BP405T Pharmacognosy and Phytochemistry I: Theory		
BP405T.1	2.89	2.00
BP405T.2	2.89	2.00
BP405T.3	2.83	2.00
BP405T.4	2.78	2.00
BP405T.5	3.00	2.00
BP405T.6	3.00	2.00
Average	2.90	2.00


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Direct Total Attainment	0.72	1.50
Final Direct Course Attainment	2.23	
BP406P Medicinal Chemistry I: Practical		
BP406P.1	1.84	3.00
BP406P.2	1.84	3.00
BP406P.3	1.74	3.00
BP406P.4	2.33	3.00
BP406P.5	2.33	3.00
BP406P.6	2.33	3.00
Average	2.07	3.00
Direct Total Attainment	0.52	2.25
Final Direct Course Attainment	2.77	
BP407P Physical Pharmaceutics II: Practical		
BP407P.1	2.42	3.00
BP407P.2	2.80	3.00
BP407P.3	2.92	3.00
BP407P.4	2.72	3.00
BP407P.5	2.50	3.00
BP407P.6	2.50	3.00
Average	2.65	3.00
Direct Total Attainment	0.66	2.25
Final Direct Course Attainment	2.91	
BP408P Pharmacology I: Practical		
BP408P.1	1.67	3.00
BP408P.2	1.67	3.00
BP408P.3	1.67	3.00
BP408P.4	3.00	3.00
BP408P.5	3.00	3.00
BP408P.6	3.00	3.00
Average	2.33	3.00
Direct Total Attainment	0.58	2.25
Final Direct Course Attainment	2.83	
BP 409 P Pharmacognosy and Phytochemistry I: Practical		
BP409P.1	2.79	3.00
BP409P.2	2.61	3.00
BP409P.3	2.82	3.00
BP409P.4	2.71	3.00
BP409P.5	2.87	3.00
BP409P.6	2.90	3.00
Average	2.78	3.00
Direct Total Attainment	0.70	2.25



Final Direct Course Attainment	2.95
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**Third Year B. Pharmacy:
Fifth Semester**

Course	Internal	External
BP501T Medicinal Chemistry-II: Theory		
BP501 T.1	3.00	3.00
BP501 T.2	3.00	3.00
BP501 T.3	3.00	3.00
BP501 T.4	3.00	3.00
BP501 T.5	3.00	3.00
BP501 T.6	3.00	3.00
Average	3.00	3.00
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	
BP502T Industrial Pharmacy-I: Theory		
BP502T.1	0.86	3.00
BP502T.2	0.86	3.00
BP502T.3	1.75	3.00
BP502T.4	2.84	3.00
BP502T.5	3.00	3.00
BP502T.6	3.00	3.00
Average	2.05	3.00
Direct Total Attainment	0.51	2.25
Final Direct Course Attainment	2.76	
BP503.T Pharmacology – II: Theory		
BP503T.1	3.00	3.00
BP503T.2	3.00	3.00
BP503T.3	2.60	3.00
BP503T.4	2.71	3.00
BP503T.5	3.00	3.00
BP503T.6	2.72	3.00
Average	2.84	3.00
Direct Total Attainment	0.71	2.25
Final Direct Course Attainment	2.96	
BP504T Pharmacognosy and Phytochemistry II: Theory		
BP504T.1	0.50	3.00
BP504T.2	0.50	3.00
BP504T.3	2.64	3.00


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BP504T.4	2.53	3.00
BP504T.5	2.83	3.00
BP504T.6	3.00	3.00
Average	2.00	3.00
Direct Total Attainment	0.50	2.25
Final Direct Course Attainment	2.75	
BP505T Pharmaceutical Jurisprudence: Theory		
BP505T.1	2.29	3.00
BP505T.2	2.57	3.00
BP505T.3	2.71	3.00
BP505T.4	3.00	3.00
BP505T.5	3.00	3.00
BP505T.6	3.00	3.00
Average	2.76	3.00
Direct Total Attainment	0.69	2.25
Final Direct Course Attainment	2.94	
506 P Industrial Pharmacy-I: Practical		
BP506P.1	0.60	3.00
BP506P.2	0.60	3.00
BP506P.3	0.60	3.00
BP506P.4	1.46	3.00
BP506P.5	2.12	3.00
BP506P.6	2.60	3.00
Average	1.33	3.00
Direct Total Attainment	0.33	2.25
Final Direct Course Attainment	2.58	
BP507.P Pharmacology – II: Practical		
BP507P.1	2.29	3.00
BP507P.2	2.39	3.00
BP507P.3	2.52	3.00
BP507P.4	2.59	3.00
BP507P.5	2.30	3.00
BP507P.6	2.67	3.00
Average	2.46	3.00
Direct Total Attainment	0.61	2.25
Final Direct Course Attainment	2.86	
BP508 P Pharmacognosy and Phytochemistry II: Practical		
BP508P.1	1.64	3.00
BP508P.2	1.94	3.00
BP508P.3	2.60	3.00
BP508P.4	2.60	3.00



BP508P.5	2.60	3.00
BP508P.6	2.60	3.00
Average	2.33	3.00
Direct Total Attainment	0.58	2.25
Final Direct Course Attainment	2.83	
Third Year B. Pharmacy:		
Sixth Semester		
BP601T Medicinal Chemistry III: Theory		
BP601 T.1	3.00	3.00
BP601 T.2	3.00	3.00
BP601 T.3	3.00	3.00
BP601 T.4	3.00	3.00
BP601 T.5	3.00	3.00
BP601 T.6	3.00	3.00
Average	3.00	3.00
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	
BP602 T Pharmacology III: Theory		
BP602T.1	3.00	2.00
BP602T.2	2.86	2.00
BP602T.3	3.00	2.00
BP602T.4	3.00	2.00
BP602T.5	3.00	2.00
BP602T.6	2.64	2.00
Average	2.92	2.00
Direct Total Attainment	0.73	1.50
Final Direct Course Attainment	2.23	
BP603T Herbal Drug Technology: Theory		
BP603T1	3.00	3.00
BP603T2	3.00	3.00
BP603T3	3.00	3.00
BP603T4	3.00	3.00
BP603T5	3.00	3.00
BP603T6	3.00	3.00
Average	3.00	3.00
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	
BP604T Biopharmaceutics and Pharmacokinetics:		
Theory		
BP604T.1	2.29	3.00
BP604T.2	2.43	3.00
BP604T.3	3.00	3.00



BP604T.4	3.00	3.00
BP604T.5	3.00	3.00
BP604T.6	3.00	3.00
Average	2.79	3.00
Direct Total Attainment	0.70	2.25
Final Direct Course Attainment	2.95	
BP605T Pharmaceutical Biotechnology: Theory		
BP605T.1	3.00	3.00
BP605T.2	3.00	3.00
BP605T.3	3.00	3.00
BP605T.4	3.00	3.00
BP605T.5	3.00	3.00
BP605T.6	3.00	3.00
Average	3.00	3.00
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	
BP606T Quality Assurance: Theory		
BP606T.1	2.63	3.00
BP606T.2	2.63	3.00
BP606T.3	2.63	3.00
BP606T.4	2.63	3.00
BP606T.5	2.63	3.00
BP606T.6	2.63	3.00
Average	2.63	3.00
Direct Total Attainment	0.66	2.25
Final Direct Course Attainment	2.91	
BP607P Medicinal Chemistry III: Practical		
BP 607 P.1	3.00	3.00
BP607 P.2	3.00	3.00
BP607 P.3	3.00	3.00
BP607 P.4	3.00	3.00
BP607 P.5	3.00	3.00
BP607 P.6	3.00	3.00
Average	3.00	3.00
Direct Total Attainment	0.90	2.10
Final Direct Course Attainment	3.00	
BP608P Pharmacology III: Practical		
BP608P.1	2.94	3.00
BP608P.2	3.00	3.00
BP608P.3	2.92	3.00
BP608P.4	3.00	3.00
BP608P.5	2.82	3.00



BP608P.6	3.00	3.00
Average	2.95	3.00
Direct Total Attainment	0.74	2.25
Final Direct Course Attainment	2.99	
BP609 P Herbal Drug Technology: Practical		
BP609P1	2.57	3.00
BP609P2	2.71	3.00
BP609P3	3.00	3.00
BP609P4	3.00	3.00
BP609P5	3.00	3.00
BP609P6	3.00	3.00
Average	2.88	3.00
Direct Total Attainment	0.72	2.25
Final Direct Course Attainment	2.97	

**Final Year B. Pharmacy:
Seventh Semester**

BP701 Instrumental Methods of Analysis: Theory		
BP701 T.1	3.00	3.00
BP701 T.2	1.36	3.00
BP705T.3	3.00	3.00
BP701 T.4	2.83	3.00
BP701 T.5	2.68	3.00
BP701 T.6	3.00	3.00
Average	2.65	3.00
Direct Total Attainment	0.66	2.25
Final Direct Course Attainment	2.91	
BP702T Industrial Pharmacy II: Theory		
BP702T. 1	2.05	3.00
BP702T. 2	1.89	3.00
BP702T. 3	2.21	3.00
BP702T. 4	2.47	3.00
BP702T. 5	2.68	3.00
BP702T. 6	2.52	3.00
Average	2.31	3.00
Direct Total Attainment	0.58	2.25
Final Direct Course Attainment	2.83	
BP703T Pharmacy Practice: Theory		
BP703T.1	2.62	3.00
BP703T.2	2.62	3.00
BP703T.3	2.62	3.00
BP703T.4	2.62	3.00



BP703T.5	2.62	3.00
BP703T.6	2.62	3.00
Average	2.62	3.00
Direct Total Attainment	0.66	2.25
Final Direct Course Attainment	2.91	
BP704T Novel Drug Delivery System: Theory		
BP704T.1	1.75	3.00
BP704T.2	3.00	3.00
BP704T.3	2.17	3.00
BP704T.4	3.00	3.00
BP704T.5	3.00	3.00
BP704T.6	3.00	3.00
Average	2.65	3.00
Direct Total Attainment	0.66	2.25
Final Direct Course Attainment	2.91	
705P Instrumental Methods of Analysis: Practical		
BP 705 P.1	3.00	3.00
BP 705 P.3.	3.00	3.00
BP 705 P.4	2.92	3.00
BP705P.2	3.00	3.00
BP705P.5	2.29	3.00
BP705P.6	2.45	3.00
Average	2.78	3.00
Direct Total Attainment	0.69	2.25
Final Direct Course Attainment	2.94	
Final Year B. Pharmacy: Eighth Semester		
BP801T Biostatistics & Research Methodology: Theory		
BP801T1	3.00	3.00
BP801T2	2.67	3.00
BP801T3	3.00	3.00
BP801T4	3.00	3.00
BP801T.5	3.00	3.00
BP801T.6	3.00	3.00
Average	2.93	3.00
Direct Total Attainment	0.73	2.25
Final Direct Course Attainment	2.98	
BP802T Social & Preventive Pharmacy: Theory		
BP802T.1	3.00	3.00
BP802T.2	3.00	3.00



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BP802T.3	3.00	3.00
BP802T.4	3.00	3.00
BP802T.5	3.00	3.00
BP802T.6	3.00	3.00
Average	3.00	3.00
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	
BP804ET Pharmaceutical Regulatory Science: Theory		
BP804 T.1	3.00	3.00
BP804 T.2	3.00	3.00
BP804 T.3	3.00	3.00
BP804 T.4	3.00	3.00
BP804 T.5	2.79	3.00
BP804 T.6	2.79	3.00
Average	2.93	3.00
Direct Total Attainment	0.73	2.25
Final Direct Course Attainment	2.98	
BP805ET Pharmacovigilance: Theory		
BP805ET.1	2.87	3.00
BP805ET.2	3.00	3.00
BP805ET.3	3.00	3.00
BP805ET.4	2.73	3.00
BP805ET.5	3.00	3.00
BP805ET.6	2.67	3.00
Average	2.85	3.00
Direct Total Attainment	0.71	2.25
Final Direct Course Attainment	2.96	


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M. Pharmacy
Course Outcome Attainment
Academic Year 2023-24

MPH101T Modern Pharmaceutical Analytical Techniques: Theory		
MPH101 T.1	3.00	3.00
MPH101 T.2	3.00	3.00
MPH101T.3	3.00	3.00
MPH101 T.4	3.00	3.00
MPH101T.5	3.00	3.00
MPH101 T.6	3.00	3.00
Average	3.00	3.00
Direct Total Attainment	0.75	2.25
Direct Total Attainment	3.00	
MPH102T Drug Delivery System: Theory		
MPH102T.1	3.00	3.00
MPH102T.2	3.00	3.00
MPH102T.3	3.00	3.00
MPH102T.4	3.00	3.00
MPH102T.5	3.00	3.00
Average	3.00	3.00
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	
MPH103T Modern Pharmaceutics: Theory		
MPH 103T.1	3.00	3.00
MPH 103T.2	3.00	3.00
MPH 103T.3	3.00	3.00
MPH 103T.4	3.00	3.00
MPH 103T.5	3.00	3.00
MPH 103T.6	3.00	3.00
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	
MPH 104 T Regulatory Affair: Theory		
MPH 104T.1	3.00	3.00
MPH 104T.2	3.00	3.00
MPH 104T.3	3.00	3.00
MPH 104T.4	3.00	3.00
MPH 104T.5	3.00	3.00
MPH 104T.6	3.00	3.00
Average	3.00	3.00
Direct Total Attainment	0.75	2.25



MPH 105P Pharmaceutics Practical I: Practical		
MPH 105P.1	3.00	3.00
MPH 105P.2	3.00	3.00
MPH 105P.3	3.00	3.00
MPH 105P.4	3.00	3.00
MPH 105P.5	3.00	3.00
MPH 105P.6	3.00	3.00
Average	3.00	3.00
Direct Total Attainment	0.90	2.10
Final Direct Course Attainment	3.00	
COMP106 Seminar		
COMP106.1	3.00	NA
COMP106.2	3.00	NA
Average	3.00	NA
Direct Total Attainment	0.75	
M. Pharmacy First Year Semester II		
MPH 201T Molecular Pharmaceutics: Theory		
MPH 201T.1	3.00	2.00
MPH 201T.2	3.00	2.00
MPH 201T.3	3.00	2.00
MPH 201T.4	3.00	2.00
MPH 201T.5	3.00	2.00
MPH 201T.6	3.00	2.00
Average	3.00	2.00
Direct Total Attainment	0.75	1.50
Final Direct Course Attainment	2.25	
MPH202 T Advanced Biopharmaceutics and Pharmacokinetics: Theory		
MPH202T.1	3.00	3.00
MPH202T.2	3.00	3.00
MPH202T.3	3.00	3.00
MPH202T.4	3.00	3.00
MPH202T.5	3.00	3.00
MPH202T.6	3.00	3.00
Average	3.00	3.00
Final Direct Course Attainment	3.00	
MPH203T Computer Aided Drug Development: Theory		
MPH203T.1	3.00	3.00



MPH203T.2	3.00	3.00
MPH203T.3	3.00	3.00
MPH203T.4	3.00	3.00
MPH203T.5	3.00	3.00
MPH203T.6	3.00	3.00
Average	3.00	3.00
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	
MPH204T Cosmetic and Cosmeceuticals: Theory		
MPH 204T.1	3.00	3.00
MPH 204T.2	3.00	3.00
MPHT 204T.3	3.00	3.00
MPH 204T.4	3.00	3.00
MPH 204T.5	3.00	3.00
MPH 204T.6	3.00	3.00
Average	3.00	3.00
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	
MPH205 T Pharmaceutics Practical -II: Practical		
MPH 105P.1	3.00	3.00
MPH 105P.2	3.00	3.00
MPH 105P.3	3.00	3.00
MPH 105P.4	3.00	3.00
MPH 105P.5	3.00	3.00
MPH 105P.6	3.00	3.00
Average	3.00	3.00
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	

M. Pharmacy Second Year

Semester III

MRM301T Research Methodology and Biostatistics: Theory		
MRM 301T.1	3.00	3.00
MRM 301T.2	3.00	3.00
MRM 301T.3	3.00	3.00
MRM 301T.4	3.00	3.00
MRM 301T.5	3.00	3.00
MRM 301T.6	3.00	3.00
Average	3.00	3.00
Direct Total Attainment	0.75	2.25
Final Direct Course Attainment	3.00	



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MPH395 Introduction to Constitution: Theory		
MPH395.1	1.50	NA
MPH395.2	1.50	NA
MPH395.3	1.50	NA
MPH495.4	1.50	NA
MPH395.5	1.50	NA
MPH395.6	1.50	NA
Average	1.50	NA
Direct Total Attainment	1.50	NA
Final Direct Course Attainment	1.50	
MPH304 Research Work		
MPH304.1	NA	3.00
MPH304.2	NA	3.00
MPH304.3	NA	3.00
MPH304.4	NA	3.00
Average	NA	3.00
Direct Total Attainment	NA	3.00
Final Direct Course Attainment	3.00	

M. Pharmacy Second Year

Semester IV

MRM401T: Journal Club Theory		
Course Outcome	Internal	External
MRM401T.1	3.00	NA
MRM401T.2	3.00	NA
MRM401T.3	3.00	NA
Average	3.00	NA
Direct Total Attainment	3.00	NA
Final Direct Course Attainment	3.00	
MPH402: Research Work		
MPH402.1	NA	3.00
MPH402.2	NA	3.00
MPH402.3	NA	3.00
MPH402.4	NA	3.00
Average	NA	3.00
Direct Total Attainment	NA	3.00
Final Direct Course Attainment	3.00	


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Direct CO-PO Attainment Report

B. Pharmacy

Semester I											
Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP101 T	2.93	1.22	0.98	1.63		1.79	1.46	1.56	1.63	1.46	2.93
BP102T	2.91	1.62	1.45	0.97	1.45	0.97		0.97	0.97		2.91
BP 103 T	2.74	1.45	1.45	1.74		1.77	0.97	1.62	1.77	0.97	2.74
BP104T	0.6	0.4	0.4	0.5	0.45	0.5	0.39	0.41	0.41	0.37	0.63
BP105T	2	2.5	1.4	1.6	2.25	2		3	2		3
BP106RBT	3	2	2	2		2		2	2	2	3
BP106RMT	2.56	1.53	1.7			1.36		1.36	1.36		2.38
BP107P	2.99	2.32	2.24	2.16		2.32		2.39	2.16	1.99	2.99
BP108P	0.5	0.28	0.34	0.17	0.25	0.22		0.25	0.2	0.17	0.5
BP 109 P	2.81	1.56	0.94	1.71		1.4	0.94	1.71	1.71	0.94	2.81
BP110P	0.84	0.59	0.69	0.54	0.64	0.45	0.54	0.64	0.59	0.5	0.84
BP111P	1.5	3	2.67	2.67	3	2.17		3			3

Semester II											
Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP201T	2.13	1.3	1.19			1.06		1.3	1.19		2.13
BP202T	0.68	0.48	0.56	0.6	0.48	0.42	0.52	0.52		0.48	0.68
BP203T	2.81	1.57	1.41		1.41	1.57	1.57	1.88			2.81
BP 204T	1.4	0.47	0.93	0.55		0.47	0.47	0.93	0.93		1.4
BP205T	2.33	2.5	2.33	2.67	2.5	2.17		2.17	2.5		2.5
BP206T	1.65	1.65	2.3	1.48	1.65	1.48	1.48	1.65	1.65	2.97	2.64
BP207P	2.96	2.3	0.99		2.46	2.63		2.46	1.65		2.96
BP208P	0.27	0.18	0.18	0.16	0.16	0.09	0.16	0.18		0.11	0.27
BP209P	2.99	1.82	1.82	2.16	2.16	2.49		2.32	1.82	2.16	2.82
BP210P	2.25	2.25	2.41	2.25	2.25	2.25		2.25		2.1	2.41




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Semester III											
Course Code	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011
BP301T	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
BP302T	0.74	0.45	0.45	0.45		0.45		0.45	0.45		0.74
BP303T	0.74	0.41	0.41	0.74	0.41	0.45	0.43	0.49	0.45	0.57	0.62
BP 304T	3	1.67	1.67	2.17	2.17	1.67	2	2.17	1.83	1.67	2.83
BP105T		2.18	1.74		2.46	1.74		2.46			2.61
BP306P	0.72	0.44	0.64	0.44	0.44	0.44		0.68	0.44		0.72
BP307P	2.92	1.78	1.78	1.95	1.78	1.78		1.95	1.78		2.92
BP 308P	2.3	2.15	2.15	2	2	1.54		2.15	2		2.76
BP309 P	0.16	0.09	0.11	0.1	0.11	0.08	0.09	0.1		0.11	0.16
BP111P	1.5	3	2.67	2.67	3	2.17		3			3

Semester IV											
Course Code	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011
BP401 T	0.75	0.46	0.46	0.46	0.5	0.25	0.46	0.5	0.5	0.46	0.75
BP402T	0.66	0.44	0.37	0.22	0.33	0.29		0.29	0.33	0.26	0.66
BP403T	0.75	0.46	0.46	0.46	0.46	0.46		0.5	0.46		0.75
BP404T	2.96	1.65	1.65	1.48		1.77	1.65	1.97	2.14		2.96
BP405T	0.72	0.48		0.36	0.48	0.48			0.48	0.32	0.72
BP406P	0.52	0.35	0.32	0.23	0.26	0.26		0.26	0.26	0.17	0.52
BP407P	0.66	0.4	0.44	0.4	0.4	0.4		0.4	0.4		0.66
BP408P	2.83	1.51	1.42	1.89		1.58	1.51		1.42	1.13	2.83
BP409P	2.95	1.96	1.96		0.98	1.47			1.47	1.96	2.95

Semester V											
Course Code	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011
BP501T	2.4	2.5	3	2.5		2.5	2.67	2.6	2.6		2.6
BP502T	0.51	0.31	0.31	0.43		0.31		0.34	0.31		0.51
BP503T	0.71	0.4	0.31	0.35		0.31	0.35		0.4		0.71
BP504 T	2.75	2.38	1.83	2.29	2.06	1.83			1.83	1.83	2.75
BP505T	2.94	1.71	1.57	1.57	2.16	2.45	2.94	1.76	2.94	1.64	1.79
BP506P	2.58	1.58	1.58	1.72		1.72		1.58	1.58		2.58
BP507P	2.86	1.91	1.91	2.86		1.91	2.86		1.91		2.86
BP508P	2.83	1.89	1.89	2.08		1.89			1.89	1.89	2.83



Semester VI											
Course Code	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011
BP601 T	2.33	1.5	1.5	2.25		1.75	1.33	1.5	1.33		2.17
BP602T	2.23	1.49	0.74	0.99		0.74	1.36		1.24		2.23
BP 603 T	3	1.5	1.67	2		2.33		1.4	2.5	1.83	3
BP604T	0.7	0.39	0.23			0.35		0.39	0.47		0.7
BP605T	2.83	2.5	2.67	2.17	2.17	2.5	2.17	2	2.5	2.33	2.5
BP 606T	2.91	2.1	2.33	2.91	2.91	2.26	2.33	2.18	2.42	1.94	2.91
BP 607 P	1.83	1.4	1.25	1.6	1.33	1.4	1.33	1.6	1.2	1.6	1.8
BP608P	0.74	0.49	0.49	0.49		0.25	0.49		0.49		0.74
BP609P	2.97	2.31	2.15	2.23		1.98			2.15	1.98	2.97

Semester VII											
Course Code	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011
BP701T	0.59	0.59	0.55	0.62		0.55		0.59			0.59
BP702T	2.83	2.2	1.89	2.2		1.89		2.83	1.89		2.83
BP703T	2.88		1.92	2.4	2.71	2.71	2.4	2.23	2.4		2.88
BP704T	2.91	1.78	1.62	1.78	1.46	1.78		1.78	1.62		2.91
BP705P	0.71	0.35	0.47	0.43	0.39	0.43		0.39			0.71

Semester VIII											
Course Code	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011
BP801T	2.98	1.82	1.99	1.82	1.82	1.82		1.82			2.98
BP802T	3	1.67	1.5	1	2.33	2.67	2	2.5	1.83	1.33	3
BP804ET	2.98	1.82	1.82		1.82	1.82	1.82	1.66	1.82		2.98
BP805ET	2.96	1.81	1.81	1.81	1.81	1.81	1.97	1.81	1.81		2.96

	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011
Average outcome	1.9	1.34	1.3	1.23	0.9	1.34	0.64	1.2	1.14	0.59	1.98
Attainment (80% of average outcome)	1.52	1.07	1.04	0.98	0.72	1.07	0.51	0.96	0.91	0.47	1.59



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M. Pharmacy

Academic Year:2023-24

First Year: Semester I

Course Code	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011
MPH101T	2.5	2.5	2.33	2.67	1.67	2.33		2.17			2.33
MPH102T	2.4	2.6	2.4	2.25	2.25	2.6	1.8	2.4	2	2	2.8
MPH103T	3	1.83	1.83	1.83	1.67	1.83		2	1.83		3
MPH104T	3	2.67	2	1.83	1.83	1.25	1.67	1.83	1.83	1.75	3
MPH105P	2.67	2.75	2.67		2.50	2.33		2.17	2.33	2.33	2.83
MPH106	2.5	2.75	3	2.5	2.75	2.75	2.5	3	2.75	2.5	3

First Year: Semester II

Course Code	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011
MPH201T	1.50	0.92	0.92	0.92	0.92	0.92		0.92	0.92		1.50
MPH202T	1.75	2.25	2.12			2.00		1.37	2.12		2.00
MPH203T	2.33	2.33	2.33	2.33	1.50	2.50	1.25				2.67
MPH204T	2.17	1.83	2.17		2.33	2.50		2.50	2.50	2.50	2.17
MPH205P	2.33	2.33	2.50		2.33	2.17		2.33	2.50	2.33	2.83
MPH206	2.75	2.75	2.50	2.25	2.50	3.00	2.50	3.00	2.75	2.50	2.75




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Second Year

Semester: III

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
MRM301T	3.00	2.00	2.25	2.00	2.00	1.83	2.00	2.00	1.60	2.00	3.00
MRM303T	2.75	2.75	2.50	2.50	2.75	3.00	2.50	2.75	2.50	2.50	3.00
MPH304	2.75	2.25	2.25	1.75	1.75	2.75	2.75	2.50			2.75
MPH395T		0.50	0.25		0.50	0.50		0.40	0.25		0.75


Second Year

Semester- IV

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
MRM401T	3	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.33	3
MPH402	2.75	2.25	2.25	1.75	1.75	2.75	2.75	2.5			2.75

Average outcome	2.31	2.15	2.07	1.64	1.74	2.17	1.28	1.93	1.38	0.97	2.48
Attainment (80% of average outcome)	1.85	1.72	1.66	1.31	1.39	1.73	1.02	1.54	1.11	0.78	1.98




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