

Shri. Balasaheb Mane Shikshan Prasarak Mandal Ambap's
Ashokrao Mane College of Pharmacy, Peth Vadgaon



Examination Policy

B. Pharm Course

(In accordance with Pharmacy Council of India Syllabus and
Shivaji University, Kolhapur)

VISION

- Empowerment of the nation with knowledgeable pharmacist for healthy India.

MISSION

Mission Code	Mission statements
M1	To provide pharmaceutical education par excellence.
M2	To promote community, institutional and industrial pharmacy.
M3	To foster and disseminate productive research in new & emerging area.
M4	To generate human resource in the profession of pharmacy.

PROGRAM EDUCATIONAL OBJECTIVES (PEO's)

PEO Code	Program Educational Outcomes (PEO's) Statements
PEO1	To produce Pharmacy graduate with strong fundamental concepts and high technical competence in Pharmaceutical sciences and technology who shall be able to use these tools in the field of Pharmacy.
PEO2	To train the students to contribute towards public healthcare system and counseling for prophylaxis and prevention of diseases.
PEO3	To generate the potential knowledge pool with interpersonal and collaborative skills to identify, assess and formulate problems and execute the solution in Pharmaceutical industry.
PEO4	To promote a development of trained human resources in Pharmaceutical sciences for dissemination of quality education with highly professional and ethical attitude, strong communication skills, and effective leadership skills to do work in a team with multidisciplinary approach.
PEO5	To encourage the students to participate in lifelong learning process for the highly productive career and to relate the concepts of Pharmaceutical sciences towards surveying the cause of the society.

Program Outcomes (PO's)/ Program Specific Outcome (PSO's)

ID	Program Outcomes (PO's)/ Program Specific Outcome (PSO's) Statements
PO1	Pharmacy Knowledge: Possess knowledge and comprehension of the core and basic knowledge associated with the profession of pharmacy, including biomedical sciences; pharmaceutical sciences; behavioral, social, and administrative pharmacy sciences; and Manufacturing practices.
PO2	Planning Abilities: Demonstrate effective planning abilities including time management, resource management, delegation skills and organizational skills. Develop and implement plans and organize work to meet deadlines.
PO3	Problem analysis: Utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice. Find, analyze, evaluate and apply information systematically and shall make defensible decisions.
PO4	Modern tool usage: Learn, select, and apply appropriate methods and procedures, Resources and modern pharmacy-related computing tools with an understanding of the limitations.
PO5	Leadership skills: Understand and consider the human reaction to change, motivation issues, leadership and team-building when planning changes required for fulfillment of practice, professional and societal responsibilities. Assume participatory roles as responsible citizens or leadership roles when appropriate to facilitate improvement in Health and wellbeing.
PO6	Professional Identity: Understand, analyze and communicate the value of their professional roles in society (e.g. health care professionals, promoters of health, Educators, managers, employers, employees).
PO7	Pharmaceutical Ethics: Honor personal values and apply ethical principles in professional and social contexts. Demonstrate behavior that recognizes cultural and personal variability in values, communication and lifestyles. Use ethical frameworks; apply ethical principles while making decisions and take responsibility for the Outcomes associated with the decisions.

PO8	Communication: Communicate effectively with the pharmacy community and with Society at large, such as, being able to comprehend and write effective reports, make effective presentations and documentation, and give and receive clear instructions.
PO9	The Pharmacist and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety and legal issues and the consequent responsibilities Relevant to the professional pharmacy practice.
PO10	Environment and sustainability: Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, And need for sustainable development.
PO11	Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. Self-access and use feedback effectively from others to identify learning needs And to satisfy these needs on an ongoing basis.

Introduction:

The College's Technical Standards state that student pharmacists must demonstrate compassion, integrity, and a concern for others. This requires a professional and ethical demeanor appropriate to educational level, responsibility for personal actions, and emotional stability under stressful conditions that may come from their professional education.

This examination policy was designed with these standards in mind and with input from both faculty and students. The policy's purpose is to provide expectations for student conduct related to examinations and ensure examinations given at the College of Pharmacy are adequately and consistently administered and supervised to minimize opportunities for dishonesty. Aside from maintaining academic integrity, examination procedures prepare the student for the stringent expectations of the professional licensure process.

Students should be empowered to uphold the highest degree of academic integrity and to expect the same of their classmates. It is understood that not every possible scenario regarding academic integrity can be covered within a policy; therefore, the College and its faculty may take reasonable measures to enforce the spirit of this policy in keeping with the expectations of society and the profession of pharmacy.

Objective:

Evaluation/ Examination are the process of determining the extent to which the objectives of education are achieved. Needless to say that the objectives of education to prepare our students to be successful and happy in 21st century are to develop thinking, emotional , technological and social skills, team work and good character. Thus we can hope to continue to focus on the process over content, ensuring balance between performances in End Semester Examinations and developing students' full and unique potentials. Most important is that efforts to analyse and improve the examination system as per the standards so that our students should not lag behind to compete at global level.

RULES FOR B. PHARM. EXAMINATIONS (SEMESTER SYSTEM)

1. Short Title and Commencement

Examination policies are based on the rules and regulations Framed under Regulation 6, 7 & 8 of the Bachelor of Pharmacy (B. Pharm) course regulations 2014 of the Revised Regulations for the B. Pharm. Degree Program (CBCS) of the Pharmacy Council of India, New Delhi”. They shall come into effect from the Academic Year 2017-18. The regulations framed are subject to modifications from time to time by Pharmacy Council of India.

2. Minimum qualification for admission

First year B.Pharm:

Candidate shall have passed 10+2 examination conducted by the respective state/central government authorities recognized as equivalent to 10+2 examination by the Association of Indian Universities (AIU) with English as one of the subjects and Physics, Chemistry, Mathematics (P.C.M) and or Biology (P.C.B / P.C.M.B.) as optional subjects individually. Any other qualification approved by the Pharmacy Council of India as equivalent to any of the above examinations.

2.2. B. Pharm lateral entry (to third semester):

A pass in D. Pharm. course from an institution approved by the Pharmacy Council of India under section 12 of the Pharmacy Act.

3. Duration of the program

The course of study for B.Pharm shall extend over a period of eight semesters (four academic years) and six semesters (three academic years) for lateral entry students. The curricula and syllabi for the program shall be prescribed from time to time by Pharmacy Council of India, New Delhi.

4. Medium of instruction and examinations

Medium of instruction and examination shall be in English.

5. Working days in each semester

Each semester shall consist of not less than 100 working days. The odd semesters shall be conducted from the month of June/July to November/December and the even semesters shall be conducted from December/January to May/June in every calendar year.

6. Attendance and progress

A candidate is required to put in at least 80% attendance in individual courses considering theory and practical separately. The candidate shall complete the prescribed course satisfactorily to be eligible to appear for the respective examinations.

7. Program/Course credit structure

As per the philosophy of Credit Based Semester System, certain quantum of academic work viz. theory classes, tutorial hours, practical classes, etc. are measured in terms of credits. On satisfactory completion of the courses, a candidate earns credits. The amount of credit associated with a course is dependent upon the number of hours of instruction per week in that course. Similarly, the credit associated with any of the other academic, co/extra-curricular activities is dependent upon the quantum of work expected to be put in for each of these activities per week.

Credit assignment

Theory and Laboratory courses

Courses are broadly classified as Theory and Practical. Theory courses consist of lecture (L) and /or tutorial (T) hours, and Practical (P) courses consist of hours spent in the laboratory. Credits (C) for a course is dependent on the number of hours of instruction per week in that course, and is obtained by using a multiplier of one (1) for lecture and tutorial hours, and a multiplier of half (1/2) for practical (laboratory) hours. Thus, for example, a theory course having three lectures and one tutorial per week throughout the semester carries a credit of 4. Similarly, a practical having four laboratory hours per week throughout semester carries a credit of 2.

Minimum credit requirements

The minimum credit points required for award of a B. Pharm. degree is 208. These credits are divided in to Theory courses, Tutorials, Practical, Practice School and Project over the duration of eight semesters. The credits are distributed semester-wise as shown in Table IX. Courses generally progress in sequences, building competencies and their positioning indicates certain academic maturity on the part of the learners. Learners are expected to follow the semester-wise schedule of courses given in the syllabus.

The lateral entry students shall get 52 credit points transferred from their D. Pharm program. Such students shall take up additional remedial courses of ‘Communication Skills’ (Theory and Practical) and ‘Computer Applications in Pharmacy’ (Theory and Practical) equivalent to 3 and 4 credit points respectively, a total of 7 credit points to attain 59 credit points, the maximum of I and II semesters.

8. Academic work

A regular record of attendance both in Theory and Practical shall be maintained by the teaching staff of respective courses.

9. Course of study

The course of study for B. Pharm shall include Semester Wise Theory & Practical as given in Table – I to VIII. The number of hours to be devoted to each theory, tutorial and practical course in any semester shall not be less than that shown in Table – I to VIII.

Table-I: Course of study for semester I

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP101T	Human Anatomy and Physiology I–Theory	3	1	4
BP102T	Pharmaceutical Analysis I–Theory	3	1	4
BP103T	Pharmaceutics I–Theory	3	1	4
BP104T	Pharmaceutical Inorganic Chemistry–Theory	3	1	4
BP105T	Communications skills–Theory*	2	-	2
BP106RBT BP106RMT	Remedial Biology/ Remedial Mathematics–Theory*	2	-	2
BP107P	Human Anatomy and Physiology–Practical	4	-	2
BP108P	Pharmaceutical Analysis I–Practical	4	-	2
BP109P	Pharmaceutics I–Practical	4	-	2
BP110P	Pharmaceutical Inorganic Chemistry–Practical	4	-	2
BP111P	Communications skills–Practical*	2	-	1
BP112RBP	Remedial Biology–Practical*	2	-	1
Total		32/34^{\$}/36[#]	4	27/29^{\$}/30[#]

[#]Applicable ONLY for the students who have studied Mathematics/Physics/Chemistry at HSC and appearing for Remedial Biology (RB) course.

^{\$}Applicable ONLY for the students who have studied Physics/ Chemistry/ Botany/ Zoology at HSC and appearing for Remedial Mathematics (RM) course.

*Non University Examination (NUE)

Table-II: Course of study for semester II

Course Code	Name of the course	No. of hours	Tutorial	Credit points
BP201T	Human Anatomy and Physiology II–Theory	3	1	4
BP202T	Pharmaceutical Organic Chemistry I–Theory	3	1	4
BP203T	Biochemistry–Theory	3	1	4
BP204T	Pathophysiology–Theory	3	1	4
BP205T	Computer Applications in Pharmacy–Theory*	3	-	3
BP206T	Environmental sciences–Theory*	3	-	3
BP207P	Human Anatomy and Physiology II–Practical	4	-	2
BP208P	Pharmaceutical Organic Chemistry I–Practical	4	-	2
BP209P	Biochemistry–Practical	4	-	2
BP210P	Computer Applications in Pharmacy–Practical*	2	-	1
Total		32	4	29

*Non University Examination (NUE)

Table-III: Course of study for semester III

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP301T	Pharmaceutical Organic Chemistry II–Theory	3	1	4
BP302T	Physical Pharmaceutics I–Theory	3	1	4
BP303T	Pharmaceutical Microbiology–Theory	3	1	4
BP304T	Pharmaceutical Engineering–Theory	3	1	4
BP305P	Pharmaceutical Organic Chemistry II–Practical	4	-	2
BP306P	Physical Pharmaceutics I–Practical	4	-	2
BP307P	Pharmaceutical Microbiology–Practical	4	-	2
BP308P	Pharmaceutical Engineering–Practical	4	-	2
Total		28	4	24

Table-IV: Course of study for semester IV

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP401T	Pharmaceutical Organic Chemistry III–Theory	3	1	4
BP402T	Medicinal Chemistry I–Theory	3	1	4
BP403T	Physical Pharmaceutics II–Theory	3	1	4
BP404T	Pharmacology I–Theory	3	1	4
BP405T	Pharmacognosy and Phytochemistry I–Theory	3	1	4
BP406P	Medicinal Chemistry I–Practical	4	-	2
BP407P	Physical Pharmaceutics II–Practical	4	-	2
BP408P	Pharmacology I–Practical	4	-	2
BP409P	Pharmacognosy and Phytochemistry I–Practical	4	-	2
Total		31	5	28

Table-V: Course of study for semester V

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP501T	Medicinal Chemistry II–Theory	3	1	4
BP502T	Industrial Pharmacy I–Theory	3	1	4
BP503T	Pharmacology II– Theory	3	1	4
BP504T	Pharmacognosy and Phytochemistry II–Theory	3	1	4
BP505T	Pharmaceutical Jurisprudence–Theory	3	1	4
BP506P	Industrial Pharmacy I–Practical	4	-	2
BP507P	Pharmacology II– Practical	4	-	2
BP508P	Pharmacognosy and Phytochemistry II– Practical	4	-	2
Total		27	5	26

Table-VI: Course of study for semester VI

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP601T	Medicinal Chemistry III–Theory	3	1	4
BP602T	Pharmacology III–Theory	3	1	4
BP603T	Herbal Drug Technology–Theory	3	1	4
BP604T	Biopharmaceutics and Pharmacokinetics–Theory	3	1	4
BP605T	Pharmaceutical Biotechnology–Theory	3	1	4
BP606T	Quality Assurance–Theory	3	1	4
BP607P	Medicinal chemistry III–Practical	4	-	2
BP608P	Pharmacology III–Practical	4	-	2
BP609P	Herbal Drug Technology–Practical	4	-	2
Total		30	6	30

Table-VII: Course of study for semester VII

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP701T	Instrumental Methods of Analysis–Theory	3	1	4
BP702T	Industrial Pharmacy II–Theory	3	1	4
BP703T	Pharmacy Practice–Theory	3	1	4
BP704T	Novel Drug Delivery System –Theory	3	1	4
BP705P	Instrumental Methods of Analysis–Practical	4	-	2
BP706PS	Practice School*	12	-	6
Total		28	5	24

*Non University Examination (NUE)

Table-VIII: Course of study for semester VIII

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP801T	Biostatistics and Research Methodology	3	1	4
BP802T	Social and Preventive Pharmacy	3	1	4
BP803ET	Pharma Marketing Management	3+3= 6	1+1=2	4+4= 8
BP804ET	Pharmaceutical Regulatory Science			
BP805ET	Pharmacovigilance			
BP806ET	Quality Control and Standardization of Herbals			
BP807ET	Computer Aided Drug Design			
BP808ET	Cell and Molecular Biology			
BP809ET	Cosmetic Science			
BP810ET	Experimental Pharmacology			
BP811ET	Advanced Instrumentation Techniques			
BP812ET	Dietary Supplements and Nutraceuticals			
BP813PW	Project Work	12	-	6
Total		24	4	22

Table-IX: Semester wise credits distribution

Semester	Credit Points
I	27/29 ^{\$} /30 [#]
II	29
III	26
IV	28
V	26
VI	26
VII	24
VIII	22
Extracurricular/Co curricular activities	01*
Total credit points for the program	209/211^{\$}/212[#]

* The credit points assigned for extracurricular and or co-curricular activities shall be given by the Principals of the colleges and the same shall be submitted to the University. The criteria to acquire this credit point shall be defined by the college's from time to time.

^{\$}Applicable ONLY for the students studied Physics/ Chemistry/ Botany/ Zoology at HSC and appearing for Remedial Mathematics course.

[#]Applicable ONLY for the students studied Mathematics/ Physics / Chemistry at HSC and appearing for Remedial Biology course.

10. Program Committee

1. The B. Pharm. program shall have a Program Committee constituted by the Head of the institution in consultation with all the Heads of the departments.
2. The composition of the Program Committee shall be as follows:
A senior teacher shall be the Chairperson; One Teacher from each department handling B.Pharm courses; and four student representatives of the program (one from each academic year), nominated by the Head of the institution.

11. Examinations/Assessments

The scheme for internal assessment and end semester examinations is given in Table–X.

End semester examinations

The End Semester Examinations for each theory and practical course through semesters I to VIII shall be conducted by the university except for the subjects with asterix symbol (*) in table I and II for which examinations shall be conducted by the subject experts at college level and the marks/grades shall be submitted to the university.

Tables-X: Schemes for internal assessments and end semester examinations semester wise

Semester I

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
BP101T	Human Anatomy and Physiology I–Theory	10	15	1 Hr	25	75	3 Hrs	100
BP102T	Pharmaceutical Analysis I–Theory	10	15	1 Hr	25	75	3 Hrs	100
BP103T	Pharmaceutics I–Theory	10	15	1 Hr	25	75	3 Hrs	100
BP104T	Pharmaceutical Inorganic Chemistry –Theory	10	15	1 Hr	25	75	3 Hrs	100
BP105T	Communication skills–Theory*	5	10	1 Hr	15	35	1.5Hrs	50
BP106RBT BP106RMT	Remedial Biology/ Mathematics–Theory*	5	10	1 Hr	15	35	1.5Hrs	50
BP107P	Human Anatomy and Physiology–Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP108P	Pharmaceutical Analysis I–Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP109P	Pharmaceutics I–Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP110P	Pharmaceutical Inorganic Chemistry – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP111P	Communication skills–Practical*	5	5	2 Hrs	10	15	2 Hrs	25
BP112RBP	Remedial Biology–Practical*	5	5	2 Hrs	10	15	2Hrs	25
Total		70/75 [§] /80 [#]	115/125 [§] /130 [#]	23/24 [§] /26 [#] Hrs	185/200 [§] /210 [#]	490/525 [§] / 540 [#]	31.5/33 [§] / 35 [#] Hrs	675/725 [§] / 750 [#]

[#]Applicable ONLY for the student studied Mathematics/Physics/Chemistry at HSC and appearing for Remedial Biology (RB) course.

[§]Applicable ONLY for the students studied Physics/Chemistry/Botany/Zoology at HSC and appearing for Remedial Mathematics (RM) course.

*Non University Examination (NUE)

Semester II

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
BP201T	Human Anatomy and Physiology II – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP202T	Pharmaceutical Organic Chemistry I – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP203T	Biochemistry–Theory	10	15	1 Hr	25	75	3 Hrs	100
BP204T	Pathophysiology–Theory	10	15	1 Hr	25	75	3 Hrs	100
BP205T	Computer Applications in Pharmacy – Theory*	10	15	1 Hr	25	50	2 Hrs	75
BP206T	Environmental sciences–Theory*	10	15	1 Hr	25	50	2 Hrs	75
BP207P	Human Anatomy and Physiology II –Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP208P	Pharmaceutical Organic Chemistry I– Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP209P	Biochemistry–Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP210P	Computer Applications in Pharmacy – Practical*	5	5	2 Hrs	10	15	2 Hrs	25
Total		80	125	20 Hrs	205	520	30 Hrs	725

*The subject experts at college levels shall conduct examinations

Semester III

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
BP301T	Pharmaceutical Organic Chemistry II– Theory	10	15	1 Hr	25	75	3 Hrs	100
BP302T	Physical Pharmaceutics I–Theory	10	15	1 Hr	25	75	3 Hrs	100
BP303T	Pharmaceutical Microbiology– Theory	10	15	1 Hr	25	75	3 Hrs	100
BP304T	Pharmaceutical Engineering– Theory	10	15	1 Hr	25	75	3 Hrs	100
BP305P	Pharmaceutical Organic Chemistry II – Practical	5	10	4 Hr	15	35	4 Hrs	50
BP306P	Physical Pharmaceutics I– Practical	5	10	4 Hr	15	35	4 Hrs	50
BP307P	Pharmaceutical Microbiology– Practical	5	10	4 Hr	15	35	4 Hrs	50
BP308P	Pharmaceutical Engineering – Practical	5	10	4 Hr	15	35	4 Hrs	50
Total		60	100	20	160	440	28Hrs	600

Semester IV

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
BP401T	Pharmaceutical Organic Chemistry III– Theory	10	15	1 Hr	25	75	3 Hrs	100
BP402T	Medicinal Chemistry I–Theory	10	15	1 Hr	25	75	3 Hrs	100
BP403T	Physical Pharmaceutics II– Theory	10	15	1 Hr	25	75	3 Hrs	100
BP404T	Pharmacology I–Theory	10	15	1 Hr	25	75	3 Hrs	100
BP405T	Pharmacognosy I–Theory	10	15	1 Hr	25	75	3 Hrs	100
BP406P	Medicinal Chemistry I–Practical	5	10	4 Hr	15	35	4 Hrs	50
BP407P	Physical Pharmaceutics II– Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP408P	Pharmacology I–Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP409P	Pharmacognosy I–Practical	5	10	4 Hrs	15	35	4 Hrs	50
Total		70	115	21 Hrs	185	515	31 Hrs	700

Semester V

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
BP501T	Medicinal Chemistry II–Theory	10	15	1 Hr	25	75	3 Hrs	100
BP502T	Industrial Pharmacy I–Theory	10	15	1 Hr	25	75	3 Hrs	100
BP503T	Pharmacology II–Theory	10	15	1 Hr	25	75	3 Hrs	100
BP504T	Pharmacognosy II–Theory	10	15	1 Hr	25	75	3 Hrs	100
BP505T	Pharmaceutical Jurisprudence– Theory	10	15	1 Hr	25	75	3 Hrs	100
BP506P	Industrial Pharmacy I–Practical	5	10	4 Hr	15	35	4 Hrs	50
BP507P	Pharmacology II–Practical	5	10	4 Hr	15	35	4 Hrs	50
BP508P	Pharmacognosy II– Practical	5	10	4 Hr	15	35	4 Hrs	50
Total		65	105	17 Hr	170	480	27 Hrs	650

Semester VI

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
BP601T	Medicinal Chemistry III– Theory	10	15	1 Hr	25	75	3 Hrs	100
BP602T	Pharmacology III– Theory	10	15	1 Hr	25	75	3 Hrs	100
BP603T	Herbal Drug Technology– Theory	10	15	1 Hr	25	75	3 Hrs	100
BP604T	Biopharmaceutics and Pharmacokinetics–Theory	10	15	1 Hr	25	75	3 Hrs	100
BP605T	Pharmaceutical Biotechnology– Theory	10	15	1 Hr	25	75	3 Hrs	100
BP606T	Quality Assurance– Theory	10	15	1 Hr	25	75	3 Hrs	100
BP607P	Medicinal chemistry III– Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP608P	Pharmacology III– Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP609P	Herbal Drug Technology– Practical	5	10	4 Hrs	15	35	4 Hrs	50
Total		75	120	18 Hrs	195	555	30 Hrs	750

Semester VII

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
BP701T	Instrumental Methods of Analysis –Theory	10	15	1 Hr	25	75	3 Hrs	100
BP702T	Industrial Pharmacy–Theory	10	15	1 Hr	25	75	3 Hrs	100
BP703T	Pharmacy Practice–Theory	10	15	1 Hr	25	75	3 Hrs	100
BP704T	Novel Drug Delivery System– Theory	10	15	1 Hr	25	75	3 Hrs	100
BP705P	Instrumental Methods of Analysis –Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP706PS	Practice School*	25	-	-	25	125	5 Hrs	150
Total		70	70	8Hrs	140	460	21 Hrs	600

*The subject experts at college level shall conduct examinations

Semester VIII

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
BP801T	Biostatistics and Research Methodology – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP802T	Social and Preventive Pharmacy –Theory	10	15	1 Hr	25	75	3 Hrs	100
BP803ET	Pharmaceutical Marketing–Theory	10+10 =20	15 +15 = 30	1 +1 = 2 Hrs	25 +25 = 50	75+75 =150	3 +3 =6 Hrs	100 + 100 = 200
BP804ET	Pharmaceutical Regulatory Science–Theory							
BP805ET	Pharmacovigilance–Theory							
BP806ET	Quality Control and Standardization of Herbals–Theory							
BP807ET	Computer Aided Drug Design – Theory							
BP808ET	Cell and Molecular Biology–Theory							
BP809ET	Cosmetic Science–Theory							
BP810ET	Experimental Pharmacology–Theory							
BP811ET	Advanced Instrumentation Techniques – Theory							
BP812PW	Project Work	-	-	-	-	150	4 Hrs	150
Total		40	60	4 Hrs	100	450	16 Hrs	550

Internal assessment: Continuous mode

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

Table-XI: Scheme for awarding internal assessment: Continuous mode

Theory		
Criteria	Maximum Marks	
Attendance (Refer Table–XII)	4	2
Academic activities (Average of any3 activities e.g. quiz, assignment, open book test, field work, group discussion and seminar)	3	1.5
Student–Teacher interaction	3	1.5
Total	10	5
Practical		
Attendance (Refer Table–XII)	2	
Based on Practical Records, Regular viva voce, etc.	3	
Total	5	

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

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

Sessional Exams

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

Sessional exam shall be conducted for 30 marks for theory and shall be computed for 15 marks. Similarly Sessional exam for practical shall be conducted for 40 marks and shall be computed for 10 marks.

Question paper pattern for theory Sessional examinations for subjects having University examination		
Question No.1	Objective Type Questions(5x 2) (Answer 5 out of 7)	5x2=10
Question No.2	Short Answers(Answer 2 out of 3)	2x5=10
Question No.3	Long Answers(Answer 1out of 2)	2x5=10
Total		30 marks

For subjects having Non University Examination		
Question No.1	Long Answers (Answer 1out of 2)	1x10=10
Question No.2	Short Answers (Answer 4 out of 6)	4x5=20
Total		30 marks
Question paper pattern for practical sessional examinations		
I.	Synopsis	10
II.	Experiments	25
III.	Viva voce	05
Total		40 marks

12. Promotion and award of grades

A student shall be declared PASS and eligible for getting grade in a course of B.Pharm. Program if he/she secures at least 50% marks in that particular course including internal assessment. For example, to be declared as PASS and to get grade,

the student has to secure a minimum of 50 marks for the total of 100 including continuous mode of assessment and end semester theory examination and has to secure a minimum of 25marks for the total 50 including internal assessment and end semester practical examination.

13. Carry forward of marks

In case a student fails to secure the minimum 50% in any Theory or Practical course as specified in 12, then he/she shall reappear for the end semester examination of that course. However his/her marks of the Internal Assessment shall be carried over and he/she shall be entitled for grade obtained by him/her on passing.

14. Improvement of internal assessment

A student shall have the opportunity to improve his/her performance only once in the Sessional exam component of the internal assessment. The re-conduct of the Sessional exam shall be completed before the commencement of next end semester theory examinations.

15. Re-examination of end semester examinations

Reexamination of end semester examination shall be conducted as per the schedule given in table XIII. The exact dates of examinations shall be notified from time to time.

Table-XIII: Tentative schedule of end semester examinations

Semester	For Regular Candidates	For Failed Candidates
I, III, V and VII	November/December	May/ June
II, IV , VI and VIII	May/ June	November/December

For 75 marks paper

I. Multiple Choice Questions(MCQs)	20 x 1 = 20
OR	
I. Objective Type Questions (Answer 10 out of 13) (10 x 2)	10 x 2 = 20
II. Long Answers (Answer 2 out of 3)	2 x 10 = 20
III. Short Answers (Answer 7 out of 9)	7 x 5 = 35
Total	75 marks

For 50 marks paper

I. Long Answers (Answer 2 out of 3)	2 x 10 = 20
II. Short Answers (Answer 6 out of 8)	6 x 5 = 30
Total	50 marks

For 35 marks paper

I. Long Answers (Answer 1 out of 2)	2 x 10 = 10
II. Short Answers (Answer 5 out of 8=7)	5 x 5 = 25
Total	35 marks

Question paper pattern for end semester practical examinations

I. Synopsis	8 marks
II. Experiments	20 marks
III. Viva/Voce	7 marks
Total	35 marks

16. Academic Progression:

No student shall be admitted to any examination unless she/she fulfills the norms by university. Academic progression rules are applicable as follows:

- A student shall be eligible to carry forward all the courses of I, II and III semesters till the Semester examinations. However, he/she shall not be eligible to attend the courses of Semester until all the courses of I and II semesters are successfully completed.
- A student shall be eligible to carry forward all the courses of III, IV and V

semesters till the VI semester examinations. However, he/she shall not be eligible to attend the courses of VII semester until all the courses of I, II, III and IV semesters are successfully completed.

- A student shall be eligible to carry forward all the courses of V, VI and VII semesters till the VIII semester examinations. However, he/she shall not be eligible to get the course completion certificate until all the courses of I, II, III, IV, V and VI semesters are successfully completed.
- A student shall be eligible to get his/her CGPA upon successful completion of the courses of I to VIII semesters within the stipulated time period as per the norms specified in 26.
- A lateral entry student shall be eligible to carry forward all the courses of III, IV and V semesters till the VI semester examinations. However, he/she shall not be eligible to attend the courses of VII semester until all the courses of III and IV semesters are successfully completed.
- A lateral entry student shall be eligible to carry forward all the courses of V, VI and VII semesters till the VIII semester examinations. However, he/she shall not be eligible to get the course completion certificate until all the courses of III, IV, V and VI semesters are successfully completed.
- A lateral entry student shall be eligible to get his/her CGPA upon successful completion of the courses of III to VIII semesters within the stipulated time period as per the norms specified.
- Any student who has given more than 4 chances for successful completion of I / III semester courses and more than 3 chances for successful completion of II / IV semester courses shall be permitted to attend V/VII semester classes ONLY during the subsequent academic year as the case may be. In simpler terms there shall NOT be any ODD BATCH for any semester.

17. Grading of performances

17.1. Letter grades and grade points allocations:

Based on the performances, each student shall be awarded a final letter grade at the end of the semester for each course. The letter grades and their corresponding grade points are given in Table – XII.

**Table–XII: Letter grades and grade points equivalent to
Percentage of marks and performances**

Percentage of Marks Obtained	Letter Grade	Grade Point	Performance
90.00–100	O	10	Outstanding
80.00–89.99	A	9	Excellent
70.00–79.99	B	8	Good
60.00–69.99	C	7	Fair
50.00–59.99	D	6	Average
Lessthan50	F	0	Fail
Absent	AB	0	Fail

A learner who remains absent for any end semester examination shall be assigned a letter grade of A B and a corresponding grade point of zero. He/she should reappear for the said evaluation/examination in due course.

18. The Semester grade point average (SGPA)

The performance of a student in a semester is indicated by a number called ‘Semester Grade Point Average’ (SGPA). The SGPA is the weighted average of the grade points obtained in all the courses by the student during the semester. For example, if a student takes five courses(Theory/Practical) in a semester withcreditsC1,C2, C3,C4 and C5 and the student’s grade points in these courses are G1, G2, G3, G4 and G5, respectively, and then students’ SGPA is equal to:

$$\text{SGPA} = \frac{C_1G_1 + C_2G_2 + C_3G_3 + C_4G_4 + C_5G_5}{C_1 + C_2 + C_3 + C_4 + C_5}$$

The SGPA is calculated to two decimal points. It should be noted that, the SGPA for any semester shall take into consideration the F and ABS grade awarded in that semester. For example if a learner has a F or ABS grade in course 4, the SGPA shall then be computed as:

$$\text{SGPA} = \frac{C_1G_1 + C_2G_2 + C_3G_3 + C_4 \cdot \text{ZERO} + C_5G_5}{C_1 + C_2 + C_3 + C_4 + C_5}$$

19. Cumulative Grade Point Average (CGPA)

The CGPA is calculated with the SGPA of all the VIII semesters to two decimal points and is indicated in final grade report card/final transcript showing the grades of all VIII semesters and their courses. The CGPA shall reflect the failed status in case of F grade(s), till the course(s) is/are passed. When the course(s) is/are passed by obtaining a pass grade on subsequent examination(s) the CGPA shall only reflect the new grade and not the fail grades earned earlier. The CGPA is calculated as:

$$\text{CGPA} = \frac{C_1S_1 + C_2S_2 + C_3S_3 + C_4S_4 + C_5S_5 + C_6S_6 + C_7S_7 + C_8S_8}{C_1 + C_2 + C_3 + C_4 + C_5 + C_6 + C_7 + C_8}$$

where C_1, C_2, C_3, \dots is the total number of credits for semester I, II, III, and S_1, S_2, S_3, \dots is the SGPA of semester I, II, III,

20. Declaration of class

The class shall be awarded on the basis of CGPA as follows:

First Class with Distinction = CGPA of 7.50 and above

First Class = CGPA of 6.00 to 7.49

Second Class = CGPA of 5.00 to 5.99

21. Project work

All the students shall undertake a project under the supervision of a teacher and submit a report. The area of the project shall directly relate anyone of the elective subject opted by the student in semester VIII. The project shall be carried out in group not exceeding 5 in number. The project report shall be submitted in triplicate (typed & bound copy not less than 25 pages).

The internal and external examiner appointed by the University shall evaluate the project at the time of the Practical examinations of other semester(s). Students shall be evaluated in groups for four hours (i.e., about half an hour for a group of five students).The projects shall be evaluated as per the criteria given below.

Evaluation of Dissertation Book:

Objective(s) of the work done	15 Marks
Methodology adopted	20 Marks
Results and Discussions	20 Marks
Conclusions and Outcomes	20 Marks

Total	75 Marks
--------------	-----------------

Evaluation of Presentation:

Presentation of work	25 Marks
Communication skills	20 Marks
Question and answer skills	30 Marks

Total	75Marks
--------------	----------------

Explanation: The 75 marks assigned to the dissertation book shall be same for all the students in a group. However, the 75 marks assigned for presentation shall be awarded based on the performance of individual students in the given criteria.

22. Industrial training (Desirable)

Every candidate shall be required to work for at least 150 hours spread over four weeks in a Pharmaceutical Industry/Hospital. It includes Production unit, Quality Control department, Quality Assurance department, Analytical laboratory, Chemical manufacturing unit, Pharmaceutical R&D, Hospital (Clinical Pharmacy), Clinical Research Organization, Community Pharmacy, etc. After the Semester – VI and before the commencement of Semester – VII, and shall submit satisfactory report of such work and certificate duly signed by the authority of training organization to the head of the institute.

23. Practice School

In the VII semester, every candidate shall undergo practice school for a period of 150 hours evenly distributed throughout the semester. The student shall opt any one of the domains for practice school declared by the program committee from time to time.

At the end of the practice school, every student shall submit a printed report (in triplicate) on the practice school he/she attended (not more than 25 pages). Along with the exams of semester VII, the report submitted by the student, knowledge and

skills acquired by the student through practice school shall be evaluated by the subject experts at college level and grade point shall be awarded.

24. Award of Ranks

Ranks and Medals shall be awarded on the basis of final CGPA. However, candidates who fail in one or more courses during the B.Pharm program shall not be eligible for award of ranks. Moreover, the candidates should have completed the B. Pharm program in minimum prescribed number of years, (four years) for the award of Ranks.

25. Award of degree

Candidates who fulfill the requirements mentioned above shall be eligible for award of degree during the ensuing convocation.

26. Duration for completion of the program of study

The duration for the completion of the program shall be fixed as double the actual duration of the program and the students have to pass within the aid period, otherwise they have to get fresh Registration.

27. Re-admission after break of study

Candidate who seeks re-admission to the program after break of study has to get the approval from the university by paying a condonation fee.

No condonation is allowed for the candidate who has more than 2 years of breakup period and he/she has to rejoin the program by paying the required fees.

Examination Practices

1. University Enrolment & PRN: - Once Student admitted to institute he/she have to Enroll to Shivaji university portal in First Year/ Direct Second Year, then University will allocate unique Number(ID), called as Permanent Registration Number (PRN), which is then required till completion of course. PRN is reflected on hall ticket.

2. Examination Form Process: - There are two types of Programmers as Undergraduate and Postgraduates Courses. To appear for examination every registered student must fill the examination form. Examination form filling process of Shivaji University, Kolhapur is an online process. College informs students as & when the process starts.

3. Exam form filling schedule: - Examination section prepare notice and circulate it to all students through all departments. Exam department guides students to fill the required information in exam form. Exam department verify it and if there are any problems in form filling, they inform the same to examination section immediately and examination section forward the problems to university by mail to exam support, which then solve the problems and inform to exam section regarding status of problem. Examination section then informs concerned students through class coordinator to complete his/her examination form filling.

4. Examination form fees payment: Exam form fees are to be paid online. If any problem occurs in examination form payment system then it is solved by College Examination Officer by contacting Shivaji University, Kolhapur (SUK).

5. Approval of examination forms: Online filled exam forms are approved by College Examination Officer.

6. Examination forms after Late fees: - Students who fail to fill examination form before last date of late fees, must report to university for examination form filling (occurs rarely). Such students can fill the examination form only if university allows him/her with super late & fine fees. Institute provide reference letter to student regarding his/her request.

7. Practical/ Oral Examination: -

a. Internal/External Examiner appointment:-For the smooth conduct of exam,

University appoints the coordinator who schedules the end semester practical exam schedule in coordination with College examination Officer which is then informed to all subjects in charges. Academic in charge and exam in charge then appoint internal examiners for practical/oral examination. Externals are appointed by the respective subject chairman's (appointed by SUK). This process is also online.

b. Online Marks Entry for Practical/Oral: - All internal & external examiners have their university registered User ID & password. After conduction of practical/oral/ exam, marks are filled and continued online by the examiners using the link, <http://exam2.unishivaji.ac.in/> If any problem arises in examiner appointment or mark entry, departmental examination coordinators inform the same to examination section. Problem is then communicated to the examination support/co-ordination/Internal Marks entry section of SUK and problem is then solved accordingly. After completing marks entry online, printout of mark list is signed by examiners and submitted to exam section.

c. Term work Authorization: - Online mark entry of the subjects having term work marks is completed by the authorization of marks entry through university login. These entries are confirmed through Institute login by respective subject in charge.

8. Control of Exam, Assistant Control of Exam, Supervisor and Invigilators Appointments and CAP work:

a. External & Internal senior supervisor:- External & internal senior supervisor is appointed by SUK for end semester examination. Appointment of External senior supervisor is informed to Institute few days prior to commencement of theory examination. Examination section confirms his/her consent accordingly. Due to unavoidable circumstances, if external senior supervisor is not available in the allotted slot, examination section then contacts to co-ordination section of SUK for another staff member as an external senior supervisor.

b. Invigilators & Other man power: - Invigilators & other man power are appointed through the Exam department, who are teaching staff members of the

department. A meeting before the start of examination is conducted under the guidance of Principal. Exam section in charge and supervisors to give necessary instructions to Invigilators for smooth conduction of examination.

c. Staff members for CAP: - List of all eligible staff members for paper assessment from every department is sent to CAP (Centralized Assessment Programme) for completing paper assessment activity in allotted time.

9. University Theory (End Semester) Examination Process:- End semester theory examination is conducted at the end of every semester for all the courses.

a. Stationary requirement: - Depending on the strength of students to be appeared in university theory examination, examination section uploads the stationary requirement through university portal. Accordingly, University provides stationary before commencement of theory and practical examination in each semester.

b. Senior Supervisor, Invigilators and other man power requirement: - After receiving summary of theory examination session, exam section Prepare Order of all Manpower required for smooth conduction of examination to all Subjects (considering 35 to 40 students to be allotted in single block). Once list of Invigilators is received: day wise list of Invigilators is prepared, and they are also informed to attend' their duties in time.

c. Seating arrangement plan: - Exam section prepares session wise seating plan & block location chart and display it on notice board before the start of examination. Seating plan (Block Slip) for each individual block is displayed outside the block in which seat numbers are assigned to desks. Also, class, Subject, pattern, time duration of the exam to be conducted in the block is displayed. Holograms are also provided to the Invigilators which are to be pasted on the part of answer sheet containing important information of the student such as seat number of student, subject name, date, etc. so that identity of the student is not disclosed.

d. Invigilators allotment: - In compile list of the invigilators, blocks are allotted. Blocks are allotted in such a manner that invigilators of same subject will not be allotted to the students appearing for examination of same subject. Invigilators need to sign in reporting register before staring their duties.

e. Distribution of question papers in blocks:-After finishing the printing of

question papers sealed in envelop and distributed to exam hall. Exam in charge count exact number of the question paper's as per the number of students allotted to the block for different subjects of particular as per the pattern and distributes the packets to different blocks.

f. Queries/corrections in the question paper:- Any queries/corrections related to question paper is forwarded to university then the corrections in the question papers are received from the university are circulated through Senior supervisors to the concerned students appeared for examination.

g. Unfair Means:- Unfair means cases caught by flying squad/ supervisor are reported to the university within three days of the incident with student's original answer book, copy material and students undertaking. Covering letter of college is sent to university through registered post of all such cases that are caught by the university unfair means committee. Intimation is sent to the student and the Institute regarding date and venue of unfair means committee hearing. Student fees committee and he/she will abide the decision of committee and after hearing within one month, his/her result is declared.

h. Block wise answer paper collection to examination control room: - After conclusion of examination, Invigilators count and confirm the number of answer sheets collected in the block and then submit answer papers of his/her block to control room. In control room, senior supervisor count and verify the answer papers and all further details as per Invigilators report. All the answer paper bundles are then packed and sealed 'according to class/branch/pattern and sent to university as per lot submission scheduled with submission report (supervisor report) in highly Secured manner.

i. Question paper downloading and printing: - Question papers are downloaded online in confidential room (SRPD) through university's highly secured and confidential question paper distribution (QPD) portal in the presence of external and internal senior supervisor. One time password for question paper downloading is sent to SRPD mobile by SUK, generally 2 hours before the commencement of examination. SRPD, downloads the question papers from portal, verifies the pattern code, class and subject name and verifies all the details further from the prepared summary. Downloaded question paper is then given to Xerox machine operators to

print expected number of copies according to the day wise prepared summary. Approximately, 04 copies of each paper are printed extra (some copies are required to be sent with answer sheet bundles to the respective CAP and one

Copy in library). All these activities are under closed circuit TV scanner. Principal monitoring the activities in the confidential room.

11. Result analysis/Institute Toppers: -

a. Students can see their result in their University portal.

b. PDF file of results is available in college login ID by SUK. Result analysis is carried out at departmental level, which includes number of students appeared for the examination, number of students passed, number of students secured distinction, first class, higher second class, second class, ATKT, etc. Result analysis is carried out for each subject of different classes. Result analysis is then forwarded to Principal Sir. List of first 3 toppers who secures distinction is prepared for every class of each branch and this list is verified from the respective Year. Statement of marks of students is received from SUK generally, after 30 days of declaration of results and then it is distributed to students.

Photocopy and revaluation:- After declaration of university results, if students ' are unsatisfied with their results, then student can apply for photocopy and revaluation of answer book of respective subject. Schedule of photocopy and revaluation is informed to students as and when declared by SUK. This process is again online. Students use their registered user ID and password to apply for photocopy and revaluation. Currently, photocopy and revaluation fees are paid to university directly. After applying for photocopy/revaluation & paying fees, university sends photocopy of answer book to students Log in ID. Once this process is completed and if students photocopy and subsequent revaluation result is positive. University then replaces student's statement of marks and gives new mark statement to exam section, which is then given to concerned student.

Grievances Redressal System- Grievances redressal system is there in examination section to solve queries related to result, photocopy, exam form filling, etc. There are two types of grievances related with examination:

- a. The Grievances that can be addressed by direct communication with University through Web Mail, which includes exam form, photocopy form, and revaluation form related grievances.
- b. The Grievances that can be addressed by submitting' documentary evidence along with student's application to university, which includes results reserved due to backlog/eligibility, subject absentee, name correction, etc. related grievances.
