

“KAR BHALA HOGA BHALA”



KADI SARVA VISHWAVIDYALAYA, GANDHINAGAR

(Established vide Gujarat State Government Act 21 of 2007 and approved by UGC (ref F.9-18/2008(cpp-1) March 19, 2009)

ACADEMIC REGULATIONS

BACHELOR OF PHARMACY

EFFECTIVE FROM JUNE - 2019



K. B. INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH

GH-6, SECTOR-23, KADI CAMPUS, GANDHINAGAR-382023.

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PRINCIPAL

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**KADI SARVA VISHWAVIDYALAYA
BACHELOR OF PHARMACY
ACADEMIC REGULATION
EFFECTIVE FROM JUNE 2019**

1. Short Title and Commencement

These regulations shall be called as “The Revised Regulations for the B. Pharm. Degree Program (CBCS) of the Pharmacy Council of India, New Delhi”. They shall come into force for all the students who have been admitted to this course from its inception. The regulations framed are subject to modifications from time to time by Pharmacy Council of India. These regulations shall be called as “The Regulations for the B. Pharm. Degree courses of the K. B. Institute of Pharmaceutical Education and Research a constituent college of “KADI SARVA VISHWAVIDYALAYA”.

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.

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.

7.1. Credit assignment

7.1.1. 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.

7.2. Minimum credit requirements

The minimum credit points required for award of a B. Pharm. **degree is 208.**

These credits are divided into Theory courses, Tutorials, Practical, Practice School and Project over the duration of eight semesters.

The credits are distributed semester-wise as shown in **Table I.** 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.

TABLE 1: 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
Total credit points for the program	208/210[§]/211[#]

[§]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

Credits earned in activity:

Extracurricular/ Co-curricular activities	01*
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*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 colleges from time to time.

Co-Curricular/Extracurricular credit consideration:

1. The candidate should earn additional co-curricular/Extracurricular credits, minimum 1, to be eligible for B. Pharm degree, during eight semesters.
2. The credits earned in co-curricular/Extracurricular activity shall not be considered in grade or percentage calculation and for awarding class.

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 ANNEXURE-I. 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 ANNEXURE-I.

10. Examinations/Assessments

The scheme for internal assessment and end semester examinations is given in Table – 2.

10.1. 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 2 and 3** for which examinations shall be conducted by the subject experts at college level and the marks/grades shall be submitted to the university.

Table 2: Assessment criteria (Internal & External Mode)

Course code	Name of the course	Internal Assessment			End Semester Exams			Total Marks
		Continuous Mode	Sessional Exams		Total Marks	Total Marks	Duration Hrs	
			Marks	Duration (Hrs)				
Sem 1 to 8	Theory	10	15	1	25	75	3	100
	Practical	5	10	4	15	35	4	50
Sem1	Theory*	5	10	1	15	35	1.5	50
Sem 2	Theory*	10	15	1	25	50	2	75
Sem 1& 2	Practical*	5	5	2	10	15	2	25
Sem 7	Practice School*	25	-	-	25	125	5	150
Sem 8	ET	10 + 10 = 20	15 + 15 = 30	1+1=2	25+25 =50	75+75 =150	3 + 3 = 6	100 + 100 = 200
Sem 8	PW					150	4	150
*Non-University Exam								

Internal Evaluation, which is done at the Institute level; and **Semester-End examination**, conducted by the university. Semester-End examination is also referred to as University Examination or External Examination in the following sections. The internal evaluation and University examination will have a ratio of 25:75 in theory.

For practical, the continuous evaluation will be carried out in form of evaluation of each individual LPW (laboratory practical work) exercise, which may consist of oral examination or *viva voce*, written evaluation like quiz or synopsis, performance of the student in the laboratory, etc. The average marks out of 10 will be calculated for the purpose.

10.2. Internal assessment: Continuous mode

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

Internal evaluation will be carried out in two components: **Continuous Evaluation** and **Sessional** or Internal examination. The marks allocated for Continuous mode of Internal Assessment shall be awarded as per the scheme given below.

10.2.1. 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 best of two Sessional exams shall be computed for internal assessment as per the requirements given in tables.

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.

TABLE 3: SCHEME OF EXAMINATION:

Table 7: Marking of Sessional Exams

MODE OF EXAMINATION	CONTINUOUS MODE	SESSIONAL (out of)				TOTAL	EXTERNAL EXAM	TOTAL
		1 st	2 nd	Best of two	Computed Marks	INTERNAL		
Theory	10	30	30	30	15	25	75	100
Practical/LPW	5	40	40	40	10	15	35	50

TABLE 4: SCHEME FOR AWARDED INTERNAL ASSESSMENT: CONTINUOUS MODE

CRITERIA		
THEORY	Maximum Marks	
	For [25]	For [15]
Attendance (Table 6)	4	2
Academic activities (Average of any 3 activities e.g. quiz, assignment, open book test, field work, group discussion and seminar)	3	1.5
Student – Teacher interaction	3	1.5
Total	10	5
PRACTICAL		
Attendance (Table 6)	2	
Based on Practical Records, Regular viva voce, etc.	3	
Total	5	

TABLE 5: 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

11. 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 25 marks for the total 50 including internal assessment and end semester practical examination.

12. Carry forward of marks

In case a student fails to secure the minimum 50% in any Theory or Practical course as specified in 11, then he/she shall have to 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.

13. 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 respective end semester theory examinations.

14. Re-examination of end semester examinations

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

Table 8: 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

15. Academic Progression:

Academic progression rules are applicable as follows:

- 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.
- A student shall be eligible to carry forward all the courses of I, II and III semesters till the IV semester examinations. However, he/she shall not be eligible to attend the courses of semester V 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 Duration for completion of the program of study.
- 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.
- 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.

TABLE 9a: SEMESTER-WISE CONDITIONS:

Norms for Detention:

Sr. No.	For entry in	Pass in Semester	Any number of Backlogs are allowed in following semester provided term is granted	Any Number of Backlogs in
1	Sem 2	Not Applicable	Sem 1	Not Applicable
2	Sem 3	Not Applicable	Sem 2	Sem 1
3	Sem 4	Not Applicable	Sem 3	Sem 1 & 2
4	Sem 5	Sem 1 & 2	Sem 4	Sem 3
5	Sem 6		Sem 5	Sem 3 & 4
6	Sem 7	Sem 3 & 4	Sem 6	Sem 5
7	Sem 8		Sem 7	Sem 5 & 6

A student will be eligible to get the completion certificate, after all the courses of Sem I to VIII are successfully completed.

TABLE 9b: SEMESTER-WISE CONDITIONS:

Sr.	SEMESTER	Condition (Course)	Inference (exam)	Action
1	Semester-I	Regularity & Term work completion of Sem I	Allowed to appear in Sem-I regular examination	
2	Semester-II	Regularity and term work completion in Sem-II. Sem-I is not cleared.	Allowed to appear in Sem-II regular examination	Allow to appear in Sem-I remedial exam
3	Semester-III	Regularity and term work completion of Sem III. Sem I &/Sem II not / cleared	Allowed to appear in Sem-III regular examination	Have to appear in Sem-I and/or Sem II remedial exam if not cleared
4	Semester IV	Regularity and term work completion of Sem IV. Sem I and/or II and/or III not / cleared	Allowed to appear in Sem-IV regular examination	Have to appear in remedial exam of Sem I&/ II &/III if not cleared
5	Semester V	Sem I &/ II not cleared	Not allowed to attend courses of Sem V(Detained)	Have to clear Sem I & II.
		If Sem I and Sem II cleared Allow regular teaching and term work completion of Sem V. Sem III and/or Sem IV not cleared	Allowed to appear in Sem-V regular examination	Have to appear in remedial examination of Sem III and/or Sem IV if not cleared.
6	Semester VI	Regularity and term work completion of Sem VI. Sem III and/or IV and/or V not / cleared	Allowed to appear in Sem-VI regular examination	Have to appear in remedial examination of Sem III and/or IV and/or V if not cleared
7	Semester VII	Sem III &/ IV not cleared. Sem V&/VI not cleared/cleared.	Not allowed to attend courses of Sem VII(Detained)	Have to clear Sem III &IV.
		If Sem III and Sem IV cleared Allow Regular teaching and term work completion of Sem VII. Sem V &/ VI not cleared/cleared	Allowed to appear in Sem-VII regular examination	Have to appear in remedial examination of Sem V and/or VI if not cleared
8	Semester VIII	Regularity and term work completion of Sem VIII Sem V and/or VI and/or VII not cleared/cleared	Allowed to appear in Sem-VIII regular examination	Have to appear in Remedial examination of Sem V and/or, VI and/or Sem VII if not cleared
A student will be eligible to get the completion certificate, after all the courses of Sem I to VIII are successfully completed.				

16. Grading of performances

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 10.

Table 10: 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
Less than 50	F	0	Fail
Absent	AB	0	Fail

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

Note: Grade AB should be considered as failed and treated as one head for deciding academic progression. Such rules are also applicable for those students who fail to register for examination(s) of any course in any semester.

17. 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 with credits C1, 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:

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

18. Cumulative Grade Point Average (CGPA)

The CGPA is calculated with the SGPA Semester V to 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:

$$\text{CGPA} = \frac{C_5S_5 + C_6S_6 + C_7S_7 + C_8S_8}{C_5 + C_6 + C_7 + C_8}$$

where C5, C6, C7, C8 are the total number of credits for semester V, VI, VII, VIII and S5, S6, S7, S8 are the SGPA of semester V, VI, VII, VIII.

19. Declaration of class

CGPA of Semesters V to VIII will be considered for awarding the 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

Formula for Percentage (%) Calculation:

$$\text{(PERCENTAGE) \%} = \text{(CGPA) *10}$$

20. 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 any one of the elective subjects 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 75 Marks

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. 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.

23. Award of degree

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

24. Duration for completion of the program of study

The duration for the completion of the program should not exceed N+2 of actual duration of the program and the students have to pass within the said period, otherwise they have to get fresh Registration.

25. 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 break up period and he/she have to re-join the program by paying the required fees.

26. Retotaling/ Re-evaluation: In Case of failure students in Semester End Examination, following rule shall be followed: There is no provision for Re-evaluation of the answer papers in any examination, However, the candidates can apply for Re-totaling by paying prescribed fee.

ANNEXURE –I

KADI SARVA VISHWAVIDYALAYA
K. B. INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH
BACHELOR OF PHARMACY SYLLABUS
SEMESTER-I
SCHEME OF TEACHING

SUB CODE	NAME OF SUBJECT	CONTACT HOURS PER WEEK		TUTORIAL	CREDIT	
		T	P		T	P
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	Communication skills – Theory *	2	-	-	2	-
BP106RBT	Remedial Biology/	2	-	-	2	-
BP106RMT	Remedial Mathematics – Theory*			-		
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	Communication 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)

KADI SARVA VISHWAVIDYALAYA
K. B. INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH
BACHELOR OF PHARMACY SYLLABUS
SEMESTER-II
SCHEME OF TEACHING

SUB CODE	NAME OF SUBJECT	CONTACT HOURS PER WEEK		TUTORIAL	CREDIT	
		T	P		T	P
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)

KADI SARVA VISHWAVIDYALAYA
K. B. INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH
BACHELOR OF PHARMACY SYLLABUS
SEMESTER-III
SCHEME OF TEACHING

SUB CODE	NAME OF SUBJECT	CONTACT HOURS PER WEEK		TUTORIAL	CREDIT	
		T	P		T	P
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	

KADI SARVA VISHWA VIDYALAYA
K. B. INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH
BACHELOR OF PHARMACY SYLLABUS
SEMESTER-IV
SCHEME OF TEACHING

SUB CODE	NAME OF SUBJECT	CONTACT HOURS PER WEEK		TUTORIAL	CREDIT	
		T	P		T	P
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	

**KADI SARVA VISHWAVIDYALAYA
K. B. INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH
BACHELOR OF PHARMACY SYLLABUS
SEMESTER-V
SCHEME OF TEACHING**

SUB CODE	NAME OF SUBJECT	CONTACT HOURS PER WEEK		TUTORIAL	CREDIT	
		T	P		T	P
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	

**KADI SARVA VISHWAVIDYALAYA
K. B. INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH
BACHELOR OF PHARMACY SYLLABUS
SEMESTER-VI
SCHEME OF TEACHING**

SUB CODE	NAME OF SUBJECT	CONTACT HOURS PER WEEK		TUTORIAL	CREDIT	
		T	P		T	P
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	

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SEMESTER-VII
SCHEME OF TEACHING

SUB CODE	NAME OF SUBJECT	CONTACT HOURS PER WEEK		TUTORIAL	CREDIT	
		T	P		T	P
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		4	24	

* Non-University Examination (NUE)

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K. B. INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH
BACHELOR OF PHARMACY SYLLABUS
SEMESTER-VIII
SCHEME OF TEACHING**

SUB CODE	NAME OF SUBJECT	CONTACT HOURS PER WEEK		TUTORIAL	CREDIT	
		T	P		T	P
BP801T	Biostatistics and Research Methodology	3	-	1	4	-
BP802T	Social and Preventive Pharmacy	3	-	1	4	-
BP803ET	Pharma Marketing Management	3+3	-	1+1	4+4	-
BP804ET	Pharmaceutical Regulatory Science		-			-
BP805ET	Pharmacovigilance		-			-
BP806ET	Quality Control and Standardization of		-			-
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	

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K. B. INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH
BACHELOR OF PHARMACY SYLLABUS
SEMESTER-I
SCHEME OF EXAMINATION

SUB CODE	NAME OF SUBJECT	DURATION OF EXAM (HRS)		MARKS				TOTAL MARKS
				Institute level evaluation		University level evaluation		
		T	P	T	P	T	P	
BP101T	Human Anatomy and Physiology I– Theory	3	--	25	--	75	--	100
BP102T	Pharmaceutical Analysis I – Theory	3	--	25	--	75	--	100
BP103T	Pharmaceutics I – Theory	3	--	25	--	75	--	100
BP104T	Pharmaceutical Inorganic Chemistry – Theory	3	--	25	--	75	--	100
BP105T	Communication skills – Theory *	1.5	--	15	--	35	--	50
BP106RBT BP106RMT	Remedial Biology/ Mathematics – Theory*	1.5	--	15	--	35	--	50
BP107P	Human Anatomy and Physiology – Practical	--	4	--	15	--	35	50
BP108P	Pharmaceutical Analysis I – Practical	--	4	--	15	--	35	50
BP109P	Pharmaceutics I – Practical	--	4	--	15	--	35	50
BP110P	Pharmaceutical Inorganic Chemistry – Practical	--	4	--	15	--	35	50
BP111P	Communication skills – Practical*	--	2	--	10	--	15	25
BP112RBP	Remedial Biology – Practical*	--	2	--	10	--	15	25
Total		31.5/33 [§] /35 [#]		185/200 [§] /210		490/525 [§] /540 [#]		675/725 [§] /750 [#]

[#]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)

KADI SARVA VISHWAVIDYALAYA
K. B. INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH
BACHELOR OF PHARMACY SYLLABUS
SEMESTER-II
SCHEME OF EXAMINATION

SUB CODE	NAME OF SUBJECT	DURATION OF EXAM (HRS)		MARKS				TOTAL MARKS
				Institute level evaluation		University level evaluation		
		T	P	T	P	T	P	
BP201T	Human Anatomy and Physiology II – Theory	3	--	25	--	75	--	100
BP202T	Pharmaceutical Organic Chemistry I – Theory	3	--	25	--	75	--	100
BP203T	Biochemistry – Theory	3	--	25	--	75	--	100
BP204T	Pathophysiology – Theory	3	--	25	--	75	--	100
BP205T	Computer Applications in Pharmacy – Theory *	2	--	25	--	50	--	75
BP206T	Environmental sciences – Theory *	2	--	25	--	50	--	75
BP207P	Human Anatomy and Physiology II –Practical	--	4	--	15	--	35	50
BP208P	Pharmaceutical Organic Chemistry I– Practical	--	4	--	15	--	35	50
BP209P	Biochemistry – Practical	--	4	--	15	--	35	50
BP210P	Computer Applications in Pharmacy – Practical*	--	2	--	10	--	15	25
Total		30		205		520		725

*Non-University Examination (NUE)

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K. B. INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH
BACHELOR OF PHARMACY SYLLABUS
SEMESTER-III
SCHEME OF EXAMINATION

SUB CODE	NAME OF SUBJECT	DURATION OF EXAM (HRS)		MARKS				TOTAL MARKS
				Institute level evaluation		University level evaluation		
		T	P	T	P	T	P	
BP301T	Pharmaceutical Organic Chemistry II – Theory	3	--	25	--	75	--	100
BP302T	Physical Pharmaceutics I – Theory	3	--	25	--	75	--	100
BP303T	Pharmaceutical Microbiology – Theory	3	--	25	--	75	--	100
BP304T	Pharmaceutical Engineering – Theory	3	--	25	--	75	--	100
BP305P	Pharmaceutical Organic Chemistry II – Practical	--	4	--	15	--	35	50
BP306P	Physical Pharmaceutics I – Practical	--	4	--	15	--	35	50
BP307P	Pharmaceutical Microbiology – Practical	--	4	--	15	--	35	50
BP308P	Pharmaceutical Engineering – Practical	--	4	--	15	--	35	50
Total		28		160		440		600

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SEMESTER-IV
SCHEME OF EXAMINATION

SUB CODE	NAME OF SUBJECT	DURATION OF EXAM (HRS)		MARKS				TOTAL MARKS
				Institute level evaluation		University level evaluation		
		T	P	T	P	T	P	
BP401T	Pharmaceutical Organic Chemistry III– Theory	3	--	25	--	75	--	100
BP402T	Medicinal Chemistry I – Theory	3	--	25	--	75	--	100
BP403T	Physical Pharmaceutics II – Theory	3	--	25	--	75	--	100
BP404T	Pharmacology I – Theory	3	--	25	--	75	--	100
BP405T	Pharmacognosy and Phytochemistry I– Theory	3	--	25	--	75	--	100
BP406P	Medicinal Chemistry I – Practical	--	4	--	15	--	35	50
BP407P	Physical Pharmaceutics II – Practical	--	4	--	15	--	35	50
BP408P	Pharmacology I – Practical	--	4	--	15	--	35	50
BP409P	Pharmacognosy and Phytochemistry I – Practical	--	4	--	15	--	35	50
Total		31		185		515		700

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BACHELOR OF PHARMACY SYLLABUS
SEMESTER-V
SCHEME OF EXAMINATION

SUB CODE	NAME OF SUBJECT	DURATION OF EXAM (HRS)		MARKS				TOTAL MARKS
				Institute level evaluation		University level evaluation		
				T	P	T	P	
BP501T	Medicinal Chemistry II – Theory	3	--	25	--	75	--	100
BP502T	Industrial Pharmacy I– Theory	3	--	25	--	75	--	100
BP503T	Pharmacology II – Theory	3	--	25	--	75	--	100
BP504T	Pharmacognosy and Phytochemistry II– Theory	3	--	25	--	75	--	100
BP505T	Pharmaceutical Jurisprudence – Theory	3	--	25	--	75	--	100
BP506P	Industrial Pharmacy I – Practical	--	4	--	15	--	35	50
BP507P	Pharmacology II – Practical	--	4	--	15	--	35	50
BP508P	Pharmacognosy and Phytochemistry II – Practical	--	4	--	15	--	35	50
Total		27		170		480		650

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K. B. INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH
BACHELOR OF PHARMACY SYLLABUS
SEMESTER-VI
SCHEME OF EXAMINATION

SUB CODE	NAME OF SUBJECT	DURATION OF EXAM (HRS)		MARKS				TOTAL MARKS
				Institute level evaluation		University level evaluation		
		T	P	T	P	T	P	
BP601T	Medicinal Chemistry III – Theory	3	--	25	--	75	--	100
BP602T	Pharmacology III – Theory	3	--	25	--	75	--	100
BP603T	Herbal Drug Technology – Theory	3	--	25	--	75	--	100
BP604T	Biopharmaceutics and Pharmacokinetics – Theory	3	--	25	--	75	--	100
BP605T	Pharmaceutical Biotechnology – Theory	3	--	25	--	75	--	100
BP606T	Quality Assurance –Theory	3	--	25	--	75	--	100
BP607P	Medicinal Chemistry III – Practical	--	4	--	15	--	35	50
BP608P	Pharmacology III – Practical	--	4	--	15	--	35	50
BP609P	Herbal Drug Technology – Practical	--	4	--	15	--	35	50
Total		30		195		555		750

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SEMESTER-VII
SCHEME OF EXAMINATION**

SUB CODE	NAME OF SUBJECT	DURATION OF EXAM (HRS)		MARKS				TOTAL MARKS
				Institute level evaluation		University level evaluation		
		T	P	T	P	T	P	
BP701T	Instrumental Methods of Analysis – Theory	3	--	25	--	75	--	100
BP702T	Industrial Pharmacy II – Theory	3	--	25	--	75	--	100
BP703T	Pharmacy Practice – Theory	3	--	25	--	75	--	100
BP704T	Novel Drug Delivery System – Theory	3	--	25	--	75	--	100
BP705P	Instrumental Methods of Analysis – Practical	--	4	--	15	--	35	50
BP706PS	Practice School*	5	--	25	--	125	--	150
Total		21		140		460		600

* The subject experts at college level shall conduct examinations

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SEMESTER-VIII
SCHEME OF EXAMINATION

SUB CODE	NAME OF SUBJECT	DURATION OF EXAM (HRS)		MARKS				TOTAL MARKS
				Institute level evaluation		University level evaluation		
		T	P	T	P	T	P	
BP801T	Biostatistics and Research Methodology	3	--	25	--	75	--	100
BP802T	Social and Preventive Pharmacy	3	--	25	--	75	--	100
BP803ET	Pharma Marketing Management	3+3	--	25+25	--	75+75	--	100+100
BP804ET	Pharmaceutical Regulatory Science		--		--			
BP805ET	Pharmacovigilance		--		--			
BP806ET	Quality Control and Standardization of		--		--			
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	--	4	--	--	--	150	150
Total		16		100		450		550