

“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 & SYLLABUS**

# **BACHELOR OF PHARMACY**

**EFFECTIVE FROM JUNE-2017**



## **K. B. INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH**

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

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**PRINCIPAL**

**H.O.D.**

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**KADI SARVA VISHWAVIDYALAYA**  
**K. B. INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH, GANDHINAGAR**  
**BACHELOR OF PHARMACY**  
**ACADEMIC REGULATION**  
**EFFECTIVE FROM JUNE 2017**

**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 effect from the Academic Year 2016-17. The regulations framed are subject to modifications from time to time by Pharmacy Council of India.

**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.

**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.

**Medium of instruction and examinations**

Medium of instruction and examination shall be in English.

**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.

### **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.

### **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 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 1. 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

Table-IX: Semester wise credits distribution Semester	Credit Points
I	27/29 <sup>§</sup> /30 <sup>#</sup>
II	29
III	26
IV	28
V	26
VI	26
VII	24
VIII	22
Extracurricular/ Co-curricular activities	01 <sup>*</sup>
<b>Total credit points for the program</b>	<b>209/211<sup>§</sup>/212<sup>#</sup></b>

\*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.

<sup>§</sup>Applicable ONLY for the students studied Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics course.

<sup>#</sup>Applicable ONLY for the students studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology course

## EXAMINATIONS

**Each examination has two components:**

**Internal Evaluation**, which is done at the Institute level; and **Semester-End examination**, conducted by the Kadi Sarva Vishwavidyalaya. 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.

**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.

TABLE 2: SCHEME FOR AWARDING INTERNAL ASSESSMENT: CONTINUOUS MODE

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

**TABLE 3: 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

**TABLE 4: MARKING SYSTEMS**

MODE OF EXAMINATION	CONTINUOUS MODE	SESSIONAL				TOTAL	EXTERNAL EXAM	TOTAL
		1 <sup>st</sup>	2 <sup>nd</sup>	Avg.	Computed Marks	INTERNAL		
Theory	10	30	30	30	15	25	75	100
Practical/LPW	5	40	40	40	10	15	35	50

For practicals, 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.

### 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 Scheme of examination.

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 5: SCHEME OF EXAMINATION:**

	Internal Evaluation			University examination	Total
	Continuous evaluation	Internal Examination	Total		
Theory	10	15	25	75	100
Practical/LPW	5	10	15	35	50

### Assessment:

For assessment, theory and LPW will be considered as separate subject heads. To pass a course, the candidates will have to pass in all examinations of all subject heads of that course. The method of assessment will be as follows:

In all assessment the overall percentage marks, if fractional will be rounded off to the next higher integer value.

**Internal Evaluation:**

The student must get at least 50% marks in internal evaluation (i.e. 12.5 out of 25 and 7.5 out of 15) in each subject head (i.e. separately in theory and LPW respectively). An Improvement Sessional Examination will be conducted before semester end examination. The eligibility criteria for the same will be:

- The students who have scored < 50% marks in internal evaluation, and/or
- The students who fail to appear for the sessional examination for the verifiable reasons acceptable to the Academic Committee of the Institute; this decision will be taken on a case-to-case basis.
- The syllabus for improvement sessional examination will be decided by Academic Committee of the Institute.

**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.

**The maximum total internal marks (marks obtained in the internal evaluation) of the students appearing for Improvement Sessional Examination shall be considered as actual or 50% (5 out of 10), whichever is lower; in the respective subject head.**

**Semester-End Examination:**

The student must get at least 50% marks in the semester-end examination (i.e. 37.5 out of 75 and 17.5 out of 35) in each subject head (i.e. separately in theory and LPW respectively). In order to pass an examination, the student must pass in all the subject heads. In order to pass in a subject head, a student must obtain:

- (a) At least 50% marks in Internal Evaluation (i.e. 12.5 out of 25), **AND**
- (b) At least 50% marks in semester-end examination (i.e. 37.5 out of 75), **AND**
- (c) At least 50% marks aggregate of internal evaluation and semester-end examination (i.e. 50 out of 100)

If one or more of the above criteria are not satisfied, the student shall be declared “Fail” in the respective subject head. If a student fails in one or more subject head, she/he will be declared “Fail” in the respective examination. If the student passes in the internal evaluation, but fails in the semester-end examination, she/he will be required to reappear for the semester-end examination of the respective subject/s. If the student fails in internal evaluation, or in both, the internal evaluation and semester-end examination; she/he will be required to reappear for both the internal evaluation **and** semester-end examination of the respective subject/s. The student will be allowed to keep the terms for the next semester subject to fulfillment of requirements for Granting of Term.

**Granting the term:**

**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 V 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 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 6: SEMESTER-WISE CONDITIONS:**

Sr.	SEMESTER	Condition	Inference	Action
1	Semester-I	Regularity & Term work completion	Allowed to appear in Sem-I examination	
2	Semester-II	Regularity and term work completion in Sem-II, Sem-I is not cleared.	Allowed to appear in Sem-II examination	Have to appear in Sem-I remedial exam
3	Semester-III	Regularity and term work completion Sem-I has to be cleared	Allowed to attend Sem-III	
4	Similarly the sequence will be followed in consequent semesters.			



**The aggregate of CGPA of Semesters 3 to 8 will be considered for awarding the class.**

In case of change in syllabus by the University, the student will be allowed one additional attempt to pass the examination of the semester in question. If she/he still fails to pass the examination, she/he will be required to re-enroll for the course.

## **GRADE AND CREDIT SYSTEM**

### **SUBJECT CREDITS:**

- Each subject offered is either theory or practical (including term work) or tutorials.
- Credits for each subject are mentioned in course structure.
- The overall performance of students in a course is represented by letter grades with following meanings and equivalent grade points:

**TABLE 7: GRADE POINTS SCALE**

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.

### **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 C<sub>1</sub>, C<sub>2</sub>, C<sub>3</sub>, C<sub>4</sub> and C<sub>5</sub> and the student’s grade points in these courses are G<sub>1</sub>, G<sub>2</sub>, G<sub>3</sub>, G<sub>4</sub> and G<sub>5</sub>, 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:

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

### **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 C1, C2, C3....., is the total number of credits for semester I, II, III.... and S1, S2, S3.....is the SGPA of semester I, II, III.....,

**Declaration of class:** The class shall be awarded based on CGPA as follows:

First Class with Distinction	=	CGPA of 7.50 & Above
First Class	=	CGPA of 6.00 to 7.49
Second Class	=	CGPA of 5.00 to 5.99

### **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 subject opted by the student in semester VIII.

### **Industrial training**

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.

### **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.

### **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.

### **Award of degree**

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

### **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 said period, otherwise they have to get fresh Registration.

### **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 rejoin the program by paying the required fees.

**Retotaling/ Re-evaluation:** In Case of failure students in Semester End Examination, following rule shall be followed:

1. For Sem I to VII, Retotaling of marks
2. For Final Semester Students (B Pharm Sem VIII), Reassessment of Answer sheets.
3. Reassessment in Semester I to IV, in case of probable detention in Semester V to VII.