

KADI SARVA VISHWAVIDYALAYA
K. B. INSTITUTE OF PHARMACEUTICAL EDUCATION
AND RESEARCH, GANDHINAGAR
BACHELOR OF PHARMACY
REGULATIONS & SYLLABUS
Effective from JUNE 2012

Academic Regulations for Undergraduate Degree Level Programme
Of Pharmacy

Bachelor of Pharmacy

1. Programme

The undergraduate Degree programme in Pharmacy, leading to the degree of B. Pharm., is offered by K.B. Institute of Pharmaceutical Education and Research. The programme is full time, of four years duration (8 Semesters), and is approved by Kadi Sarva Vishwavidyalaya.

2. Eligibility criteria for candidates seeking admission in the B. Pharm. Programme:

a. For first year B. Pharm programme:

The candidates seeking admission in the first semester of degree programme leading to B. Pharm. must have passed the higher secondary school certificate examination (10+2) or any recognized examination considered equivalent by the rules laid down by State Government. Admissions will be through State government sponsored Central Admission Committee only.

b. Applicants having a D. Pharm. may be admitted to Semester 3 of the B. Pharm. course subject to the following:

1. Admissions will be solely according to the guidelines laid down by the State Government sponsored Central Admission Committee.

2. Such candidates will have to pass the following subject heads for before appearing in Semester 6 examination:

1. Pharmaceutical Calculations
2. Basic Computer Applications (Practicals)

B. PHARM ACADEMIC REGULATION

3. Pharmaceutical Inorganic Chemistry
4. Pharmaceutical Inorganic Chemistry (Practicals)
5. Pharmaceutics (Basic Principles)
6. Pharmaceutics (Basic Principles) (Practicals)
7. Pharmaceutical Analysis
8. Pharmaceutical Analysis (Practicals)

The above subjects are based on the current Education Regulations of the Pharmacy Council of India. However, in case of changes in the Education Regulations/curriculum of D. Pharm. programme, the list of subjects will be modified accordingly in order to achieve equivalence.

c. For students seeking transfer from another University:

The student who is already undergoing B. Pharm. course in any other University if wishes to join the B. Pharm. course in this University, a transfer admission (**to Semester 3 only**) is possible subject to availability of seats and fulfillment of the following conditions:

1. She/ He should have cleared at least first year B. Pharm. or Second semester of the B. Pharm. course from the University he/she is studying.
2. She/he should be presenting valid reasons for such transfers.
3. She/he should be availing No Objection Certificate and Transfer Certificate from the institute where he is studying.
4. She/he should avail Migration Certificate from the University he is affiliated to prior to the transfer.
5. She/he should fall in the merit list of applicant students.
6. She/he should be fulfilling the conditions mentioned in the Provisional Eligibility Certificate provided by our University.
7. She/he should be willing to abide to the rules and regulations of this Institute and also the Kadi Sarva Vishwavidyalaya.
8. The student has to supply the authenticated syllabus of the B.Pharm. Course which he was pursuing prior to application for transfer. This syllabus will be compared with the existing B. Pharm. syllabus of Kadi Sarva Vishwavidyalaya by the Dean of the Faculty. If the Dean finds significant difference between the two syllabi, he may provide conditional eligibility, wherein the student seeking transfer may be asked to take up additional subjects along with the routine subjects of the semester at which he is getting transferred.
9. The Institute at which the student has completed the first year/second semester of B. Pharm. should be approved by the Pharmacy Council of India at the time of application for transfer.

3. Components of the Course:

The academic component of the courses may consist of one or more of the following components with their respective scope as described.

a. **Theory:** Teaching-learning process conducted in real and virtual classrooms with various multimedia aids.

b. **Laboratory work/Practical work: (LPW)**

This component consists of one or more of the variety of practical exercises pertaining to theory.

Each set of practical exercises will form a Separate unit.

Laboratory experiments and their reports, Viva, Synopsis, and Industrial/Professional Training Analyses are part of this component.

c. **Library Assignments:** For certain subjects this exercise will be given to provide the student an exposure to latest books, journals and web resources. The student is also expected to present a printed scientific report of the assignment given to them. Analysis of available literature resources and comprehending them into a presentable report is expected from the student. The student may be asked to present a PowerPoint presentation of his report.

d. **Seminars:** The student may be asked by the teachers to present seminars on the topic/s provided either for the purpose of evaluation or for the better understanding of the topic/s; and in order to improve the presentation and communication skills of the student.

4. 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 20:80.

Internal evaluation will be carried out in two components: Continuous Evaluation and Sessional or Internal examination.

For LPW, the continuous evaluation will be carried out in form of evaluation of each individual LPW 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/ Internal Examination for

Theory – will be conducted at a suitable time during the semester. The exam will be of 20 Marks.

LPW – will be conducted towards the end of the semester, the examination will be of 100 marks. Marks obtained by the student in internal examination will be converted to 10 marks out of 100 for the purpose of internal evaluation. There will be an additional Improvement Sessional Examination as described in Section 5 (Assessment).

The total of marks obtained by the student in continuous evaluation and internal examination will comprise the Internal Evaluation.

SCHEME OF EXAMINATION:

	Internal Evaluation			University Examination	Total
	Continuous Evaluation	Internal Examination	Total		
Theory	---	20	20	80	100
LPW	10	10	20	80	100

5. Assessment:

For the purpose of assessment, theory and LPW will be considered as separate subject heads. In order 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:

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

b. Internal Evaluation:

The student must get at least 40% marks in internal evaluation (i.e. 8 out of 20) in each subject head (i.e. separately in theory and LPW).

An Improvement Sessional Examination will be conducted before semester end examination. The eligibility criteria for the same will be:

- The students who have scored < 40% 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 & format for improvement sessional examination will be decided by Academic Committee of the Institute.

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 40% (4 out of 10), whichever is lower; in the respective subject head.

c. Semester-End Examination:

The student must get at least 40% marks in the semester-end examination (i.e. 32 out of 80) in each subject head (i.e. separately in theory and LPW).

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 40% marks in Internal Evaluation (i.e. 8 out of 20), **AND**
- (b) At least 40% marks in semester-end examination (i.e. 32 out of 80), **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 (Section 6)

6. Granting the term:

- a. The term will be granted semester-wise.
- b. The granting of compliance of **ALL** of the following conditions:
 1. Good conduct and disciplined behavior.
 2. Regularity. The student is expected have 100% attendance in all components of the course. However, a leave of absence of not more than 20% may be granted for unavoidable circumstances subject to approval by the Principal or the person authorized by him/her in this regard.
 3. Term Work. All the term work (assignments, laboratory journals, seminars, etc.) should be duly completed and certified by the respective Head of the Department.
- c. Semester-wise conditions:
 1. Semester 1: Term will be granted on fulfillment of conditions mentioned in Section 6 b above.
 2. Semester 2: Grant of Term in Semester 1 and fulfillment of conditions mentioned in Section 6 b above.
 3. Semester 3: Grant of Term in Semesters 1 and 2; and fulfillment of conditions mentioned in Section 6 b above.
 4. Semester 4: A pass in Semester 1 and fulfillment of conditions mentioned in Section 6 b above.
 5. Semester 5: A pass in Semesters 1 and 2, and fulfillment of conditions mentioned in Section 6 b above.
 6. Semester 6: A pass in Semesters 1, 2 and 3, and fulfillment of conditions mentioned in Section 6 b above.
 7. Semester 7: A pass in Semesters 1, 2, 3 and 4, fulfillment of conditions mentioned in Section 6 b above.
 8. Semester 8: A pass in Semesters 1, 2, 3, 4 and 5, and fulfillment of conditions mentioned in Section 6 b above.

- d. The aggregate of CPI of Semesters 3 to 8 will be considered for awarding the class.
- e. 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:

Letter Grade	Quantitative (Meaning)	Equivalent grade point
A ⁺⁺	90-100%	10
A ⁺	80-89%	9
A	70-79%	8
B ⁺	60-69%	7
B	50-59%	6
F	<50%	0

- ❖ Performance of each semester will be judged by semester performance index (SPI). SPI is calculated as :

$$\text{Total Marks obtained in a subject X Credits of that subject} = M_1C_1$$

$$\text{For n subjects: } M_1C_1 + M_2C_2 + \dots + M_nC_n = Y$$

$$\text{SPI} = Y / \text{Total credits of semester}$$

- ❖ Cumulative Performance Index (CPI)

In final semester, aggregate of marks obtained in semesters 3 through 8 is calculated and final grade is described as CPI

Minimum CPI to be obtained by the student to clear the course is 5.5.

- ❖ The letter 'F' is qualified as "Fail" with equivalent grade point 0, and total marks obtained less than 50%, in one subject head.

Interpretation of marks:

- The mark sheet shall show actual percentage obtained by the student.
- The grade obtained will be converted into the percentage by following conversion formula:

$$(\text{Credit} - 0.5) \times 10 = \text{percentage.}$$

i.e., If student gets CPI = 5.6, He will get $(5.6 - 0.5) \times 10 = 51\%$

Further interpretation will be as under:

-Distinction: will be given to the student obtaining 70% marks and above

-First Class: Obtaining 60% -70% marks

-Second Class: Obtaining 50% -60% marks

-Fail: Obtaining less than 50 % marks.

7. Industrial training:

Candidates must complete industrial training (Manufacturing/R&D/F&D) of three months duration. A Semester 8 Marksheet will be issued only after submission of training certificate to the University. The industrial training can be initiated after satisfactory completion of Semester 4.

Procedure for submission of Industrial Training Certificate: The original certificate issued by the organization on their official letterhead, duly stamped and signed by the designated authority of the organization will have to be submitted to the Institute office.