

KADI SARVA VISHWAVIDYALAYA
K. B. INSTITUTE OF PHARM EDUCATION AND RESEARCH
MASTER OF PHARMACY
REGULATIONS & SYLLABUS
Effective from June 2012

**Academic Regulations for Postgraduate Degree Level Programme
Of Pharmacy**

Master of Pharmacy

1. Programme

The postgraduate Degree programme in Pharmacy, leading to the degree of M. Pharm., is offered by K.B. Institute of Pharmaceutical Education and Research. The programme is full time, of two years duration (4 Semesters), and is approved by Kadi Sarva Vishwavidyalaya. Currently, the programme is offered in the following specializations:

1. Pharmacology
2. Pharmaceutical Quality Assurance
3. Pharmaceutics and Pharmaceutical Technology
4. Pharmacognosy & Phytochemistry
5. Clinical Pharmacy
6. Pharmaceutical Management and Regulatory Affairs

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

The candidates seeking admission in the first semester of post graduate degree programme leading to M. Pharm. must have passed the B. Pharm. examination of Kadi Sarva Vishwavidyalaya or any recognized examination considered equivalent by the rules laid down by Kadi Sarva Vishwavidyalaya, and any other additional requirement set forth by competent authorities like the All India Council for Technical Education (AICTE)/the Pharmacy Council of India (PCI)/Government sponsored Admission Committee. Admissions will be through State government sponsored Central Admission Committee. If any seats remain vacant after the completion of admission process by the Central Admission Committee, such seats may be filled by the Institute/University on basis of the merits of the applicant students.

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. **Dissertation:** This component consists of the experimental work on the research project assigned to the student. It comprises of laboratory/field work for the duration of one semester (Semester 4), at the end of which the student is required to prepare and submit a dissertation to the University.

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.

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 and 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.

d. The aggregate of CPI of all Semesters (1 to 4) 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 :

Total Marks obtained in a subject X Credits of that subject = M_1C_1

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

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

e .g. 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.