

EXAMINATION PATTERN FOR SNTD WOMEN'S UNIVERSITY

(B. PHARMACY)

EVALUATION PARAMETERS:

Internal and External Assessment

Internal and External Assessment will be carried out in two Steps:

- (a) Formative Assessment** that envisages deployment of variety of tools and technique for diagnostic and remedial assessment of students
- **Pen-paper Assessment** in the form of question bank for class tests, home assignments, oral tests, quizzes, and MCQs
 - **Practical Assessment** with viva questions based on various skills involved in doing Experiments
 - **Individual/Group Assessment** in the form of activities with questioning tool kit, role plays, seminars, symposium, presentations, group discussions, projects, surveys, interviews, campaigns, site visits, data handling and data interpretation
- (b) Summative Assessment** that provides a large number of question types such as,
- VAS (very short answer)
 - SA(short answer)
 - LA (long answers)
 - MCQs(multiple choice questions)
 - HOTS(higher order thinking skill) questions

Examination Pattern for SNTD Women's University**First Year B. Pharm (Semester I & II)**

Sr. No.	Subject	Exam (hrs)	Credits	Internal	External	Total	Exam (hrs)	Credits	Internal	External	Total
1	Physical Chemistry	3	4	25	75	100	6	4	25	75	100
2	Anatomy Physiology & Pathophysiology I	2	2	15	35	50	-	-	-	-	-
3	Computer	2.5	3	25	50	75	-	-	-	-	-
4	Pharmaceutics-I(Introduction to Pharmacy and Monophasic dosage forms)	3	4	25	75	100	6	4	25	75	100
5	Environmental Sciences	3	4	25	75	100	-	-	-	-	-
6	Functional English & Communication Skills	2	2	15	35	50	-	-	-	-	-
7	Pharmaceutical Chemistry –I (Inorganic Pharmaceutical chemistry)	3	4	25	75	100	-	-	-	-	-
8	Organic Chemistry-I	3	4	25	75	100	6	4	25	75	100
9	Mathematics & Statistics	3	4	25	75	100	-	-	-	-	-
10	Microbiology-I (Basic microbiology)	3	4	25	75	100	3	2	15	35	50
11	Antomy Physiology & Pathophysiology-II	2	2	15	35	100	3	2	15	35	50

Examination Pattern for SNTD Women's University**Second Year B. Pharm (Semester III & IV)**

Sr. No.	Subject	Exam (hrs)	Credits	Internal	External	Total	Exam (hrs)	Credits	Internal	External	Total
1	Pharm. Analysis (Titrimetric analysis)	3	4	25	75	100	4	3	25	50	75
2	Organic Chemistry I	3	4	25	75	100	-	-	-	-	-
3	Physical Pharmacy-I	2	2	15	35	50	3	2	15	35	50
4	Microbiology II (Pharmaceutical microbiology)	3	4	25	75	100	4	3	25	50	75
5	Pharmaceutics-II(Biphasic liquid dosage forms and Tablet technology)	2	2	15	35	50	3	2	15	35	50
6	Pharm. Chemistry II (Antiinfective agents)	3	4	25	75	100	-	-	-	-	-
7	Antomy Physiology & Pathophysiology-III	3	4	25	75	100	-	-	-	-	-
8	Pharmacognosy-I	3	4	25	75	100	4	3	25	50	75
9	Pharmaceutics-III(Capsules, Dermatological and Rectal Dosage forms)	2	2	15	35	50	3	2	15	35	50
10	Pharm. Engineering	2	3	25	75	100	-	-	-	-	-
11	Physical Pharmacy-II	2	2	15	35	50	3	2	15	35	50

Examination Pattern for SNTD Women's University**Third Year B. Pharm (Semester V & VI)**

Sr. No.	Subject	Exam (hrs)	Credits	Internal	External	Total	Exam (hrs)	Credits	Internal	External	Total
1	Pharmacognosy-II	3	4	25	75	100	4	3	25	50	75
2	Pharmacology -I	3	4	25	75	100	4	3	25	50	75
3	Pharmaceutical Jurisprudence	3	4	25	75	100	-		-	-	-
4	Pharm .Chemistry III (CNS depressants and Antihistaminic Agents)	2	2	15	35	50	3	2	15	35	50
5	Pharmaceutics-IV(Sterile Dosage forms, blood and blood products and surgical dressings)	2	2	15	35	50	3	2	15	35	50
6	Clinical Pharmacy Drug Interaction	3	4	25	75	100	-	-	-	-	-
7	Dispensing & Hospital Pharmacy	3	4	25	75	100	3	2	15	35	50
8	Pharmaceutical Analysis II (Instrumental methods of analysis)	3	4	25	75	100	6	4	25	75	100
9	Pharmaceutics V(Coating Technology, Radiopharmaceuticals, ophthalmic products and packaging development)	2	2	15	35	50	3	2	15	35	50
10	Pharm .Chemistry IV (Steroids and Drugs affecting Hormones)	2	2	15	35	50	3	2	15	35	50

Examination Pattern for SNTD Women's University**Final Year B. Pharm (Semester VII & VIII)**

Sr. No.	Subject	Exam (hrs)	Credits	Internal	External	Total	Exam (hrs)	Credits	Internal	External	Total
1	Pharmacology –II	3	4	25	75	100	3	2	15	35	50
2	Biotechnology-I (fermentation Technology and Plant Tissue Culture)	2	2	15	35	50	-	-	-	-	-
3	Medicinal chemistry	3	4	25	75	100	6	4	25	75	100
4	Cosmeticology	3	4	25	75	100	6	4	25	75	100
5	Pharmaceutics VI(Pharmaceutical Technology)	2	2	15	35	50	-	-	-	-	-
6	Biopharmaceutics Pharmacokinetics	2.5	3	25	50	75	-	-	-	-	-
7	Novel Drug Delivery Systems	2	2	15	35	50	6	4	25	75	100
8	Biochemistry	3	4	25	75	100	4	3	25	50	75
9	Industrial Organization & Drug Store management	3	4	25	75	100	-	-	-	-	-
10	Biotechnology-II (Animal tissue Culture and Microbial genetics)	2	2	15	35	50	-	-	-	-	-
11	Project Work & Seminar	3	4	25	75	100	-	-	-	-	-

Examination Pattern for M. Pharm in Quality Assurance**Semester I & II**

Sr. No.	Subject	Exam (hrs)	Credits	Internal	External	Total	Exam (hrs)	Credits	Internal	External	Total
1	Modern Analytical Techniques-I	3	4	25	75	100	6	4	25	75	100
2	Product Development	3	4	25	75	100	-	-	-	-	-
3	Biological Evaluation	3	4	25	75	100	6	4	25	75	100
4	Quality Management-I	3	4	25	75	100	-	-	-	-	-
5	Computing & Statistics	3	4	25	75	100	-	-	-	-	-
6	Modern Analytical Techniques-II	3	4	25	75	100	6	4	25	75	100
7	Product Development-II	3	4	25	75	100	-	-	-	-	-
8	Drug Regulatory Affairs and Intellectual Property Rights.	3	4	25	75	100	-	-	-	-	-
9	Packaging Development	3	4	25	75	100	6	4	25	75	100
10	Validation	3	4	25	75	100	-	-	-	-	-

Semester III & IV

Sr. No.	Subject	Exam (hrs)	Credits	Internal	External	Total	Exam (hrs)	Credits	Internal	External	Total
1	Computing & Statistics	3	4	25	75	100	-	-	-	-	-
2	Validation	3	4	25	75	100	-	-	-	-	-
3	Research Methodology	3	4	25	75	100	6	4	25	75	100
4	Research Seminar	3	4	25	75	100	-	-	-	-	-
5	Research Project	3	4	25	75	100	-	-	-	-	-
6	Research Project	-	12	-	-	300	-	-	-	-	-
7	Colloquia	-	4	-	-	100	-	-	-	-	-
8	Viva	-	8	-	-	200	-	-	-	-	-

EVALUATION GUIDELINES FOR INTERNAL ASSESSMENT (B. PHARMACY):

Each Semester will consist of a minimum of 15 weeks instructions.

*i.e. $15 \times 6 = 90$ instructional days (minimum instructional days)

75% attendance for both theory and practical classes separately shall be mandatory to appear for sessional examination and end semester examination.

In- semester assessment will be of 40 marks which includes 20 marks for theory and practical sessional and 20 marks for continuous assessment for theory and practical.

In-semester assessment of 20 marks should be continuous, procedures and marks for theory and practical examination are as follows:

For theory and practical Examination – In-semester assessment for 20 marks should be continuous and at least two tests should be conducted for full course of 3 credits for theory and 2 credits for practical and the teacher must select a variety of procedures for examination such as :

- Written test and / or midterm test (not more than one or two for each course)
- Term paper
- Journal / Lecture / Library notes
- Seminar presentation
- Short Quizzes
- Assignments
- Extension work
- An open book test (with the concern teacher deciding what books are to be allowed for this purpose) or
- Mini research project by individual learner or group of learners.

The concern teacher in consultation with the Principal or CEO shall decide the nature of question for the unit test.

Sessional Exam	20 Marks	
Continuous Assessment	20 Marks	Any two Academic Activities consisting 10 marks more or less for each activity, but the sum of each activities should not be more or less than 20 Marks

Number of Sessional Examination:

There will be a minimum of one sessional examination of 20 marks conducted in each semester. One Sessional Examination will be conducted as per the examination scheme:

Sr. No.	Head	Marks distribution
Q. 1	2 marks X 3 questions (out of five)	6 marks
Q. 2	4 marks X 2 questions (out of three)	8 marks
Q. 3	6 marks X 1 questions (out of two)	6 marks
	Total	20 marks

The student who will secure less than 40% mark in the Sessional Examination or unable to appear for the scheduled Sessional Examination may be permitted for the Sessional Examination in the same semester only if approved by institutional examination committee.

Practical sessional examination of 20 marks will be based on internal assessment of practical (Experimental work), viva, synopsis and laboratory record. The distribution of marks for practical examination will be as follows:

Scheme for Practical Sessional Examination:

Sr. No.	Head	Marks distribution
1	Experimental work	10 marks
2	Synopsis & Viva	06 marks
3	Lab Record	04 marks
	Total Marks	20 marks
	Duration	03 Hrs.

Continuous Assessment:

Theory	
Criteria	Marks
Academic activities (Any 2 activities e.g. quiz, assignment, open book test, class test)	20
Total	20
Practical	
Attendance	5
Based on Practical Records	10
Regular viva voce, etc	5
Total	20

Assessment Process for M. Pharm (Quality Assurance)

Assessment consist of

A) In - semester continuous assessment and

B) end semester assessment.

Both shall have an equal weightage of 50% each.

In- semester assessment

An In-semester assessment of 50 marks should be continuous, procedures and marks for theory and practical examination are as follows:

For theory Examination

An In-semester assessment for 50% marks should be continuous and at least five tests should be conducted for full course (1 written test for 30 marks and any four test of 5 marks i.e $4 \times 5 = 20$ marks should be conducted) and the teacher must select a variety of procedures for examination such as :

- Term Paper
- Seminar Presentation
- Short Quizzes
- Assignments
- Extension work
- An open book test (with the concern teacher deciding what books are to be allowed for this purpose)
- Mini research project by individual student or group of students
- Case Study

The concern teacher in consultation with the head of PG Department shall decide the nature of question for the written test.

For practical Examination:

Day to Day Assessment of Journal 20 Marks

(Individual Practical's will be evaluated) (Evaluation includes Journal, Day to day Performance, Viva etc.)

Sessional Exam (Evaluation of sessional exam includes Experiment, Viva, Synopsis etc.) 30 Marks

Total **50 Marks**

If a student misses an internal assessment examination he/she will have a second chance with the permission of the Principal in consultation with concern teacher. Such a second chance shall not be the right of the student.

MASTER OF PHARMACY COURSE STRUCTURE
SPECIALIZATION : QUALITY ASSURANCE
TECHNIQUES

Sem. No	Paper	Scheme of Teaching Hrs/Weeks		Scheme of Credit		Scheme of Examination Theory			Practical			Total (Including 50 marks of Internal assessment)	
		Theory	Practical	Theory	Practical	Hrs.		Marks		Hrs.	Marks		
						UE	IE	UE	IE		UE		IE
I	M Advanced Analytical Techniques	4	8	4	4	3	50	50	8	50	50	200	
	M-2 Research Methodology	4		4		3	50	50				100	
	M-I-1 Advanced Quality Assurance Techniques (CGMP & Documentation)	4	8	4	4	3	50	50	8	50	50	200	
	M-I-2 Elective-I	3		3		3	50	50				100	
	Seminar				2			50				50	
II	M-I-3 Pharmaceutical Validation	4	8	4	4	3	50	50	8	50	50	200	
	M-3 Drug Regulatory Affairs	4		4		3	50	50				100	
	M-I-4 Quality Planning and Analysis	4		4		3	50	50				100	
	M-I-5 Elective-II	3		3		3	50	50				100	
	Seminar		4		2			50				50	
	Research work		12		6			50				50	
III	Seminar on Research Envisaged for Dissertation				4		50					50	
	Seminar on recent trends in Quality Assurance Techniques				4			50				50	
	Research work		36		18			150				150	
IV	Seminar on Dissertation				4		50					50	
	Research work		36		18			150				150	
	Dissertation & Defense (viva/voce)						100					100	
			Total	30	70					Grant Total		1800	
			Total Credits = 100										