



PHARM.D. REGULATIONS 2008

(PATTERN 2019)

EXAM POLICIES

- Preparation of Examination Planner including Assessment and Sessional.
- Tentative Sessional exam dates will be communicated to faculty and students when college reopens for each year.
- Savitribai Phule Pune University examination form filling dates and fees will be displayed on notice board at the start of each year.
- For Pharm D (Pattern 2019) **Three** Sessionals and if necessary one improvement Sessional will be carried out.
- At least 30% syllabus must be covered prior to first sessional examination.
- 40% syllabus must be covered prior to second sessional examination.
- 30% syllabus must be covered before commencement of third sessional.
- Guidelines from Savitribai Phule Pune University question paper setting must be followed while preparing the sessional question paper.
- Question paper must be thoroughly checked and approved by head of the department for difficulty level, syllabus covered and CO-PO mapping before submission.
- All CO can be use for each sessional examination according to your syllabus.
- Continuous Assessment should be take by mapping appropriate CO's to particular question / assessment.
- Question paper should be set to test the knowledge, memory, cognitive, analytical and reasoning ability of students.
- Question paper should be submitted before the scheduled date of the examination in a sealed envelope.



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Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE.Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCI),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

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- Quality Question Paper should be submitted along with the Model Answer of the same.
- Assessed papers should be shown to the students along with feedback.
- Assessed papers must be submitted within 10 days of the complete assessment and marks entry must be done in the register.
- Result analysis should indicate percentage of students securing 80% or > 80%, 60-79%, 50-59% and <50% and same should be entered in the soft copy provided by exam section.
- Publish the attainment level of the internal and external examinations as per the set threshold and weightage.
- Submit the signed attainment hard copy to exam section.
- During submission follow the checklist for submission of internal and final submission provided.
- Mark entry in the Internal Marks Entry Register should be done by taking signature of particular students in the Register before entry to the SPPU portal.
- Marks of all assessments and final scores should be communicated to the students before submission of marks to SPPU.
- For the Self Appraisal following marks criterion should be considered

On the basis of **Subject Result** :

95%-100% - 10 marks

90%-95% - 08 marks

85%-80% - 06 marks

Minimum Expectation 70% -04 Marks

<70% - 0 marks



Pharm.D. Regulations 2008

Examination. –

- (1) Every year there shall be an examination to examine the students.
- (2) Each examination may be held twice every year. The first examination in a year shall be the annual examination and the second examination shall be supplementary examination.
- (3) The examinations shall be of written and practical (including oral nature) carrying maximum marks for each part of a subject as indicated in Tables below:

TABLES

First Year examination :

S.No.	Name of Subject	Maximum marks for Theory			Maximum marks for Practicals		
		Examination	Sessional	Total	Examination	Sessional	Total
1.1	Human Anatomy and Physiology	70	30	100	70	30	100
1.2	Pharmaceutics	70	30	100	70	30	100
1.3	Medicinal Biochemistry	70	30	100	70	30	100
1.4	Pharmaceutical Organic Chemistry	70	30	100	70	30	100
1.5	Pharmaceutical Inorganic Chemistry	70	30	100	70	30	100
1.6	Remedial Mathematics/ Biology	70	30	100	70*	30*	100*
				600			600 = 1200

* for Biology.



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Second Year examination :

S.No.	Name of Subject	Maximum marks for Theory			Maximum marks for Practicals		
		Examination	Sessional	Total	Examination	Sessional	Total
2.1	Pathophysiology	70	30	100	-	-	-
2.2	Pharmaceutical Microbiology	70	30	100	70	30	100
2.3	Pharmacognosy & Phytopharmaceuticals	70	30	100	70	30	100
2.4	Pharmacology-I	70	30	100	70	30	100
2.5	Community Pharmacy	70	30	100	-	-	-
2.6	Pharmacotherapeutics-I	70	30	100	70	30	100
				600			400 = 1000

Third Year examination :

S.No.	Name of Subject	Maximum marks for Theory			Maximum marks for Practicals		
		Examination	Sessional	Total	Examination	Sessional	Total
3.1	Pharmacology-II	70	30	100	70	30	100
3.2	Pharmaceutical Analysis	70	30	100	70	30	100
3.3	Pharmacotherapeutics-II	70	30	100	70	30	100
3.4	Pharmaceutical Jurisprudence	70	30	100	-	-	-
3.5	Medicinal Chemistry	70	30	100	70	30	100
3.6	Pharmaceutical Formulations	70	30	100	70	30	100
				600			500 = 1100

Fourth Year examination :

S.No.	Name of Subject	Maximum marks for Theory			Maximum marks for Practicals		
		Examination	Sessional	Total	Examination	Sessional	Total
4.1	Pharmacotherapeutics-III	70	30	100	70	30	100
4.2	Hospital Pharmacy	70	30	100	70	30	100
4.3	Clinical Pharmacy	70	30	100	70	30	100
4.4	Biostatistics & Research Methodology	70	30	100	-	-	-
4.5	Biopharmaceutics & Pharmacokinetics	70	30	100	70	30	100
4.6	Clinical Toxicology	70	30	100	-	-	-
				600			400 = 1000
4.7	Pharmacotherapeutics I & II *	70	30	100	70	30	100
				700			500 = 1200

* Additional subject for Pharm. D (Post Baccalaureate) students



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Fifth Year examination :

S.No.	Name of Subject	Maximum marks for Theory			Maximum marks for Practicals		
		Examination	Sessional	Total	Examination	Sessional	Total
5.1	Clinical Research	70	30	100	-	-	-
5.2	Pharmacoepidemiology and Pharmacoeconomics	70	30	100	-	-	-
5.3	Clinical Pharmacokinetics & Pharmacotherapeutic Drug Monitoring	70	30	100	-	-	-
5.4	Clerkship *	-	-	-	70	30	100
5.5	Project work (Six Months)	-	-	-	100**	-	100
				300			200 = 500

* Attending ward rounds on daily basis. ** 30 marks – viva-voce (oral) 70 marks – Thesis work

The pattern for University theory examination question paper shall be as given below:

SECTION 1		
Q.1.	10 marks X 1 questions (out of two)	= 10 marks (10)
Q.2.	3 marks X 5 questions (out of seven)	= 10 marks (15)
Q.3.	5 marks X 2 questions (out of four)	= 10 marks (10)
SECTION 2		
Q.4.	10 marks X 1 questions (out of two)	= 10 marks (10)
Q.5.	3 marks X 5 questions (out of seven)	= 10 marks (15)
Q.6.	5 marks X 2 questions (out of four)	= 10 marks (10)
	Total	= 70 marks

Eligibility for appearing Examination.

Only such students who produce certificate from the Head of the Institution in which he or she has undergone the Pharm.D. or as the case may be, the Pharm.D. (Post Baccalaureate) course, in proof of his or her having regularly and satisfactorily undergone the course of study by attending not less than 80% of the classes held both in theory and in practical separately in each subject shall be eligible for appearing at examination.

Mode of examinations

- Theory examination shall be of three hours and practical examination shall be of four hours duration.



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- Practical examination shall also consist of a viva –voce (Oral) examination.
- Clerkship examination – Oral examination shall be conducted after the completion of clerkship of students. An external and an internal examiner will evaluate the student. Students may be asked to present the allotted medical cases followed by discussion. Students' capabilities in delivering clinical pharmacy services, pharmaceutical care planning and knowledge of therapeutics shall be assessed.

Award of sessional marks and maintenance of records

- 1) A regular record of both theory and practical class work and examinations conducted in an institution imparting training for Pharm.D. or as the case may be, Pharm.D. (Post Baccalaureate) course, shall be maintained for each student in the institution and 30 marks for each theory and 30 marks for each practical subject shall be allotted as sessional.
- 2) There shall be at least two periodic sessional examinations during each academic year and the highest aggregate of any two performances shall form the basis of calculating sessional marks.
- 3) The sessional marks in practicals shall be allotted on the following basis:-
 - i. Actual performance in the sessional examination (20 marks);
 - ii. Day to day assessment in the practical class work, promptness, viva-voce record maintenance, etc. (10 marks)



Pharm D. (Pattern- 2019)

THEORY

Total number CO's to be designed: 5

Particular	CO to be mapped	% of Syllabus to be covered
Tutorial (1-15)	Map CO accordingly	After completion of each topic and sub-topics accordingly.
Sessional Exam I	Map CO accordingly	30% Syllabus
Sessional Exam II	Map CO accordingly	40 % Syllabus
Sessional Exam III	Map CO accordingly	30 % Syllabus

Faculty can conduct Continuous Assessment / Tutorials by using following modes

- Assignment
- Open book test
- Class test/online test
- Quiz
- Group Discussion
- Seminar

Format of question paper for sessional exam:

THEORY

Question No.	Particulars	Marks	Assign only one CO each question
1	Attempt any five out of seven questions	5 × 2 M =10 M	
2	Attempt any two out of three questions	2 × 5 M =10 M	
3	Attempt any two out of three questions	1×10 M = 04 M	



PRACTICAL

Total number CO's to be designed: 4-5

Format of question paper for sessional exam (Follow Patter 1 or Pattern to according to the subjects given in syllabus)

Pattern 1:

Question No.	Particular	Marks	CO to be mapped
1	Synopsis	05	Map CO's Accordingly
2	Major Experiment (Practical skill, equipment handling/Result/Interpretation)	10	
3	Minor Experiment (Practical skill, equipment handling/Result/Interpretation)	03	
4	Viva-voce (Subject knowledge/ Communication skill)	2	

Note: Total sessional marks is 30 (20 for practical sessional plus 10 marks for regularity, promptness, viva-voce and record maintenance).

Pattern 2:

Question No.	Particular	Marks	CO to be mapped
1	Identification	04	Map CO's Accordingly
2	Synopsis	04	
3	Major Experiment (Practical skill, equipment handling/Result/Interpretation)	07	
4	Minor Experiment (Practical skill, equipment handling/Result/Interpretation)	03	
5	Viva-voce (Subject knowledge/ Communication skill)	02	

Note: Total sessional marks is 30 (20 for practical sessional plus 10 marks for regularity, promptness, viva-voce and record maintenance).



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Minimum Marks For Passing Examination.

- A student shall not be declared to have passed examination unless he or she secures at least 50% marks in each of the subjects separately in the theory examinations, including sessional marks and at least 50% marks in each of the practical examinations including sessional marks.
- The students securing 60% marks or above in aggregate in all subjects in a single attempt at the Pharm.D. or as the case may be, Pharm. D. (Post Baccalaureate) course examination shall be declared to have passed in first class. Students securing 75% marks or above in any subject or subjects shall be declared to have passed with distinction in the subject or those subjects provided he or she passes in all the subjects in a single attempt.
- Theory and Practical of a particular subject are considered as individual subjects for the purpose of pass criteria. Those candidates who fail in one or more subjects shall have to appear only in the subject so failed, in the subsequent examinations.

Declaration of class

Class shall be awarded at the end of I, II, III, IV and V year of Pharm.D. examination as shown below:

- 1) Distinction 75% and above
 - 2) First Class 60% and above and less than 75%
 - 3) Second class 50% and above and less than 60%
- The result of the successful candidate shall be classified at the end of the final year examination on the basis of the aggregate of all subjects, theory and practicals, secured by the candidate in the I to V year examinations and completes the course in 5 years, as indicated below.
 - First Class: 60% and above Second Class: 50%-59% Candidate securing aggregate of 75% or above marks and have passed in all the subjects in a year in first attempt shall be declared to have obtained Distinction.
 - Passing certificate and degree certificate will be awarded only after successful completion of internship.



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Eligibility For Promotion to Next Year

All students who have appeared for all the subjects and passed the first year annual examination are eligible for promotion to the second year and, so on. However, failure in more than two subjects shall debar him or her from promotion to the next year classes.

Internship

- 1) Internship is a phase of training wherein a student is expected to conduct actual practice of pharmacy and health care and acquires skills under the supervision so that he or she may become capable of functioning independently.
- 2) Every student has to undergo one year internship as per Appendix-C to these regulations.

Approval of Examinations

Examinations mentioned in regulations 10 to 12 and 14 shall be held by the examining authority hereinafter referred to as the university, which shall be approved by the Pharmacy Council of India under sub-section (2) of section 12 of the Pharmacy Act, 1948. Such approval shall be granted only if the examining authority concerned fulfills the conditions as specified in Appendix-D to these regulations.

Certificate of Passing Examination

Every student who has passed the examinations for the Pharm.D. (Doctor of Pharmacy) or Pharm.D. (Post Baccalaureate) (Doctor of Pharmacy) as the case may be, shall be granted a certificate by the examining authority.



Practical Training

Hospital Posting

Every student shall be posted in constituent hospital for a period of not less than fifty hours to be covered in not less than 200 working days in each of second, third & fourth year course. Each student shall submit report duly certified by the preceptor and duly attested by the Head of the Department or Institution as prescribed. In the fifth year, every student shall spend half a day in the morning hours attending ward rounds on daily basis as a part of clerkship. Theory teaching may be scheduled in the afternoon.

Project work

- 1) To allow the student to develop data collection and reporting skills in the area of community, hospital and clinical pharmacy, a project work shall be carried out under the supervision of a teacher. The project topic must be approved by the Head of the Department or Head of the Institution. The same shall be announced to students within one month of commencement of the fifth year classes. Project work shall be presented in a written report and as a seminar at the end of the year. External and the internal examiners shall do the assessment of the project work.
- 2) Project work shall comprise of objectives of the work, methodology, results, discussions and conclusions.

Objectives of project work : The main objectives of the project work is to

- i. Show the evidence of having made accurate description of published work of others and of having recorded the findings in an impartial manner; and
- ii. Develop the students in data collection, analysis and reporting and interpretation skills.



Methodology

To complete the project work following methodology shall be adopted, namely:

- 1) Students shall work in groups of not less than two and not more than four under an authorised teacher;
- 2) Project topic shall be approved by the Head of the Department or Head of the Institution;
- 3) Project work chosen shall be related to the pharmacy practice in community, hospital and clinical setup. It shall be patient and treatment (Medicine) oriented, like drug utilisation reviews, pharmacoepidemiology, pharmacovigilance or pharmacoeconomics
- 4) Project work shall be approved by the institutional ethics committee
- 5) Student shall present at least three seminars, one in the beginning, one at middle and one at the end of the project work; and
- 6) Two-page write-up of the project indicating title, objectives, methodology anticipated benefits and references shall be submitted to the Head of the Department or Head of the Institution.

Reporting

- 1) Student working on the project shall submit jointly to the Head of the Department or Head of the Institution a project report of about 40-50 pages. Project report should include a certificate issued by the authorised teacher, Head of the Department as well as by the Head of the Institution
- 2) Project report shall be computer typed in double space using Times Roman font on A4 paper. The title shall be in bold with font size 18, sub-titles in bold with font size 14 and the text with font size 12. The cover page of the project report shall contain details about the name of the student and the name of the authorised teacher with font size 14.
- 3) Submission of the project report shall be done at least one month prior to the commencement of annual or supplementary examination.



Evaluation

The following methodology shall be adopted for evaluating the project work

- i. Project work shall be evaluated by internal and external examiners.
- ii. Students shall be evaluated in groups for four hours (i.e., about half an hour for a group of four students).
- iii. Three seminars presented by students shall be evaluated for twenty marks each and the average of best two shall be forwarded to the university with marks of other subjects.
- iv. Evaluation shall be done on the following items:
 - a) Write up of the seminar (7.5 Marks)
 - b) Presentation of work (7.5 Marks)
 - c) Communication skills (7.5 Marks)
 - d) Question and answer skills (7.5 Marks)
 - e) Total : 30 Marks
- V. Final evaluation of project work shall be done on the following items:
 - a) Write up of the seminar (17.5 Marks)
 - b) Presentation of work (17.5 Marks)
 - c) Communication skills (17.5 Marks)
 - d) Question and answer skills (17.5 Marks)
 - e) Total: 70 Marks

Explanation. - For the purposes of differentiation in the evaluation in case of topic being the same for the group of students, the same shall be done based on item numbers b, c and d mentioned above