

**STATUTES & REGULATIONS**  
**FOR**  
**DOCTOR OF PHARMACY (PHARM.D.) FIVE YEARS DEGREE**  
**PROGRAM**



**UNIVERSITY OF HEALTH SCIENCES,**  
**LAHORE**

# **STATUTES & REGULATIONS**

## **STATUTES:**

1. The Doctor of Pharmacy (Pharm. D.) shall be a Five Years Degree course.
2. Outline of Tests and marks distribution scheme for all Professional Examination are given in the Appendix “A”, in accordance with the HEC and Pharmacy Council of Pakistan (PCP) approved Pharm. D. curriculum adopted by University of Health Sciences, Lahore.
3. Statutes & Regulations, outline of tests and syllabi and courses of reading can be modified from time to time on approval of the relevant statutory bodies of the University.

## **REGULATIONS:**

### **I. General Regulations**

- 1) Pharm.D. students shall be required to pay fee and such other dues as may be determined by UHS from time to time.
- 2) Degree of Doctor of Pharmacy (Pharm.D.) shall be awarded to the candidates upon successful completion of the First, Second, Third, Fourth and Final Pharm. D. Professional Examinations as notified by the University of Health Sciences.

### **II. Regulations for Admission**

#### **Eligibility/Requirement for Admission to Pharm. D. Program**

Any candidate who has passed F.Sc. (Pre-Medical) Examination by securing not less than 60% marks of any of the Boards of Intermediate and Secondary Education in Pakistan or any other examination considered by the Inter Board Committee of Chairmen (IBCC), equivalent to the aforementioned qualification.

### **III. Regulations for Registration**

Head of the institution shall submit duly filled registration return of the students admitted in an academic session, to the Registrar UHS on the prescribed Proforma alongwith the Registration fee and requisite documents, within fifteen days of admission.

### **IV. Regulations for Studies & Examinations**

- 1) Pharm. D. First, Second, Third, Fourth and Final Professional Examination shall be held twice a year. Examination calendar shall be recommended by the Board of Studies in Pharmacy and notified by the Controller of Examinations after approval of the Vice Chancellor. Date Sheet for written and practical examinations shall thereafter be prepared and notified by Controller of Examinations.
- 2) The Examination for the Degree of Doctor of Pharmacy (Pharm.D.) shall consist of five professional examinations, titled First Professional, Second Professional, Third Professional, Fourth Professional and Final Professional Examination. Respective Professional Examinations shall be held at the end of 1st year, 2nd year, 3rd year, 4th year & 5th year.
- 3) The medium of instruction and examination will be English except for the Pak. Studies and Islamiyat/ Ethics with an option for the candidates to take the examination in Urdu.
- 4) Pattern of Examination in theory papers shall be MCQs and SEQs with a relative weightage of 40% : 60%. However, examination in the subjects of Pharmaceutical Mathematics & Biostatistics and Pak. Studies & Islamiyat/Ethics may be on extended structured essays pattern.
- 5) The minimum number of marks required to pass the professional examination for each subject shall be fifty percent (50%) in theory and fifty percent (50%) in the Practical Examination and fifty percent (50%) in the aggregate at one and the same time.
- 6) A candidate who passes in one or more papers but fails in the annual examination shall, if he/she so desires, provisionally be allowed to join the next higher class till the commencement of supplementary examination. The candidate, however, shall have to pass the failed papers in the supplementary examination failing which the candidate shall be detained in the class in which he/she had failed. Under no circumstances, a candidate shall be promoted to next higher class till he/she cleared all the subjects in the Professional Examination of preceding class.
- 7) Candidate who secure eighty percent (80%) or above marks in any subject shall be declared to have passed “with distinction” in that subject and no candidate who does not pass in all the subjects of a Professional Examination as a whole at one and the same time shall be declared to have passed “with distinction” in any subject.
- 8) A candidate who fails to pass First Professional Examination in FIVE consecutive chances, availed or unavailed, after becoming eligible for First

Professional Examination shall cease to become eligible for further education in Pharmacy.

- 9) The Professional Examination shall be open to any student who has completed one year academic courses in the said professional examination and completed 75% of the lectures in Theory and Practical classes separately.
- 10) Every candidate shall forward to the Controller of Examinations, his/her application for admission to the examination as per schedule before the commencement of the examination accompanied by the prescribed fee through the Principal of the affiliated Pharmacy College/(s).
- 11) Whenever the application or the fee of the candidate is received after the last prescribed date, the candidate shall pay the double fee of the ordinary admission fee, provided that such application shall only be entertained if it is received not less than 14 days before the commencement of the examination.
- 12) A candidate who fails to pass or to present himself for the examination shall not be entitled to a refund of the fee, but the fee shall refundable to the legal heirs of a candidate who dies before the commencement of examination.
- 13) Result card will be issued by Controller of Examinations to each Candidate after declaration of Official Notification of Result of Pharm.D. Examination.
- 14) Rules for rechecking, offences and penalties on account of use of unfair means etc. shall be in accordance with the Regulations for Examinations prescribed by UHS.
- 15) A period of five years shall be permitted for re-continuation of pharmacy classes after discontinuation of studies by any student for any reason. However, the validity of the last professional examination taken by the candidate shall be three years. In case of discontinuation of studies for more than three years, the candidate shall be required to retake the last professional examination.

V. **Regulations for the Appointment of Examiners in Theory & Practical Examinations**

- 1) Board of Studies in Pharmacy shall recommend a Panel of Examiners in each of the subjects of a Professional Examination. Appointment of examiners shall be subject to following guidelines of PCP:
  - i.) Paper-setters, Paper Assessors, Internal and External Examiners for all the subjects in Pharm. D should hold basic degree in Pharmacy and have at least three years current experience of teaching the

particular subject to Pharm. D classes in a Pharmacy Colleges/Department/ Institute.

ii.) However , the following exceptions to the above rule are permitted:

- (a) Examiners in subjects of Anatomy, Pharmaceutical Mathematics & Biostatistics in 1<sup>st</sup> Professional Examination, Pakistan Studies & Islamiyat/Ethics (Compulsory) in 2<sup>nd</sup> Professional Examination and Pathology in 3<sup>rd</sup> Professional Examination may be non-pharmacy graduates currently involved in teaching of the particular subject to the Pharm. D students.
  - (b) Examiners in the subjects of Clinical Pharmacy, Hospital Pharmacy and Industrial Pharmacy in 4<sup>th</sup> Professional examination may be non-faculty pharmacists with at least 5 years experience in Clinical /Hospital / Industrial Pharmacy in the appropriate setting.
- 2) The Vice Chancellor shall appoint paper setters and paper assessors in theory examinations from amongst the panel of examiners recommended by the Board of Studies in Pharmacy.
  - 3) The Vice Chancellor shall also appoint one internal and one external examiner for conduct of practical and Viva-Voce examination from the panel approved by the Board of Studies in Pharmacy.
  - 4) No person shall be appointed as an examiner who has relation i.e; father, mother, full and half brother and sister , paternal and maternal uncle, father-in-law, mother-in-law, brother-in-law, sister-in-law, son-in-law, daughter-in-law, wife , son , daughter or husband appearing in the paper to be set or examined by him/her.
  - 5) The award list of the practical examination shall be submitted to the Controller of Examinations by both internal and external examiners, independently.
  - 6) The Controller of examinations shall compile and declare the results on the basis of evaluation record in theory and practical examinations submitted by the examiners strictly in accordance with the regulations.

## **APPENDIX -A**

- **OUTLINE OF TESTS**
- **MARKS DISTRIBUTION SCHEME**

## OUTLINE OF TESTS

### FIRST PROFESSIONAL PHARM.D

(Theory Papers)	SUBJECTS	
<b>Marks</b>		
1. Paper 1	Pharmaceutical Chemistry-I (Organic)	100
2. Paper 2	Pharmaceutical Biochemistry	100
3. Paper 3	Pharmaceutics-I (Physical Pharmacy)	100
4. Paper 4	Physiology & Histology	100
5. Paper 5	Anatomy	50
6. Paper 6	Pharmaceutical Mathematics & Biostatistics (Part-A 40) + (Part-B 60)	100
<b>(Practicals)</b>		
7. Paper 7	Pharmaceutical Chemistry-I (organic)	100
8. Paper 8	Pharmaceutical Biochemistry	100
9. Paper 9	Pharmaceutics-I (Physical Pharmacy)	100
10. Paper 10	Physiology & Histology	100
11. Paper 11	Anatomy	50
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	<b>Total Marks:</b>	<b>1000</b>

### SECOND PROFESSIONAL PHARM.D

(Theory Papers)	SUBJECTS	Marks
Paper 1	Pharmaceutics-II (Pharmaceutical Preparations)	100
Paper 2	Pharmacology and Therapeutics-I	100
Paper 3	Pharmacognosy-I	100
Paper 4	Pharmaceutical Microbiology	100
Paper 5	Pakistan Studies and Islamiyat (Comp.)	100
<b>(Practicals)</b>		
Paper 6	Pharmaceutics-II (Pharmaceutical Preparations)	100
Paper 7	Pharmacology & Therapeutics-I	100
Paper 8	Pharmacognosy-I	100
Paper 9	Pharmaceutical Microbiology	100
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	<b>Total Marks:</b>	<b>900</b>

### **THIRD PROFESSIONAL PHARM.D**

<b>(Theory Papers)</b>	<b>SUBJECTS</b>	<b>Marks</b>
Paper 1	Pathology	50
Paper 2	Pharmacology and Therapeutics-II	100
Paper 3	Pharmacognosy-II	100
Paper 4	Pharmaceutics-III (Dispensing and Community Pharmacy)	100
Paper 5	Pharmaceutical Chemistry-II (Instrumentation)	100
<b>(Practicals)</b>		
Paper 6	Pathology	50
Paper 7	Pharmacology & Therapeutics-II	100
Paper 8	Pharmacognosy-II	100
Paper 9	Pharmaceutics-III (Dispensing and Community Pharmacy)	100
Paper 10	Pharmaceutical Chemistry-II (Instrumentation)	100

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**Total Marks: 900**

### **FOURTH PROFESSIONAL PHARM.D**

<b>(Theory Papers)</b>	<b>SUBJECTS</b>	<b>Marks</b>
Paper 1	Pharmaceutics-IV (Hospital Pharmacy)	100
Paper 2	Pharmaceutics-V (Clinical Pharmacy-I)	100
Paper 3	Pharmaceutics-VI (Industrial Pharmacy)	100
Paper 4	Pharmaceutics-VII (Biopharmaceutics)	100
Paper 5	Pharmaceutics-VIII (Pharmaceutical Quality Management)	100
<b>(Practicals)</b>		
Paper 6	Pharmaceutics-V (Clinical Pharmacy-I)	100
Paper 7	Pharmaceutics-VI (Industrial Pharmacy)	100
Paper 8	Pharmaceutics-VII (Biopharmaceutics)	100
Paper 9	Pharmaceutics-VIII (Pharmaceutical Quality Management)	100

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**Total Marks: 900**



**FINAL PROFESSIONAL PHARM.D**

**(Theory Papers)**

**SUBJECTS**

**Marks**

Paper 1	Pharmaceutical Chemistry-III (Medicinal Chemistry)	100
Paper 2	Pharmaceutics-IX (Clinical Pharmacy-II)	100
Paper 3	Pharmaceutical Technology	100
Paper 4	Forensic Pharmacy	100
Paper 5	Pharmaceutical Management & Marketing	100
Paper 6	Computer and its Applications in Pharmacy	50

**(Practical)**

Paper 7	Pharmaceutical Chemistry-III (Medicinal Chemistry)	100
Paper 8	Pharmaceutics-IX (Clinical Pharmacy-II)	100
Paper 9	Pharmaceutical Technology	100
Paper 10	Computer and its Applications in Pharmacy	50

**Total Marks: 900**

**Marks Distribution Scheme**

***Doctor of Pharmacy (Pharm.D)***

***First Professional Examination  
(Written Papers)***

<b>Paper No</b>	<b>Name of Paper</b>	<b>Theory Paper</b>					<b>Marks for Theory Paper</b>
<b>1</b>	<b>Pharmaceutical Chemistry-I (Organic)</b>	60 marks	<b>SEQs</b>		<b>MCQs</b>		<b>100</b>
			10 SEQs	6 marks each	40 marks	40 MCQs	
			2 hrs 20 min			40 min	
<b>2</b>	<b>Pharmaceutical Biochemistry</b>	60 marks	<b>SEQs</b>		<b>MCQs</b>		<b>100</b>
			10 SEQs	6 marks each	40 marks	40 MCQs	
			2 hrs 20 min			40 min	
<b>3</b>	<b>Pharmaceutics-1 (Physical Pharmacy)</b>	60 marks	<b>SEQs</b>		<b>MCQs</b>		<b>100</b>
			10 SEQs	6 marks each	40 marks	40 MCQs	
			2 hrs 20 min			40 min	
<b>4</b>	<b>Physiology &amp; Histology</b>	60 marks	<b>SEQs</b>		<b>MCQs</b>		<b>100</b>
			10 SEQs	6 marks each	40 marks	40 MCQs	
			2 hrs 20 min			40 min	
<b>5</b>	<b>Anatomy</b>	30 marks	<b>SEQs</b>		<b>MCQs</b>		<b>50</b>
			05 SEQs	6 marks each	20 marks	20 MCQs	
			2 hrs			30 min	
<b>6</b>	<b>Pharmaceutical Mathematics (Part -A)</b>	40 marks	<b>Questions</b>		20 marks each Question.	N/A	<b>100</b>
			4 Questions (2 part each)	Attempt 2 Questions			
	<b>Biostatistics (Part -B)</b>	60 marks	<b>Questions</b>		20 marks each Question		
5 Questions (2 part each)			Attempt 3 Questions				
			3 hrs				

***First Professional Pharm.D  
Practical Examinations***

Paper No.	Name of Paper	Practical Paper		Marks for practical paper
		Division of Marks		
7	Pharmaceutical Chemistry-I (Organic)	1. Method /Procedure Writing	20	100
		2. Preparation/ Performance	30	
		3. Calculation/ Result	10	
		4. Viva Voce	30	
		5. Practical Copy	10	
8	Pharmaceutical Biochemistry	1. Method /Procedure Writing	20	100
		2. Preparation/ Performance	30	
		3. Calculation/ Result	10	
		4. Viva Voce	30	
		5. Practical Copy	10	
9	Pharmaceutics -I (Physical Pharmacy)	1. Method /Procedure Writing	20	100
		2. Preparation/ Performance	30	
		3. Calculation/ Result	10	
		4. Viva Voce	30	
		5. Practical Copy	10	
10	Physiology & Histology	1. Method /Procedure Writing	20	100
		2. Preparation/ Performance	30	
		3. Identification of Slides	10	
		4. Viva Voce	30	
		5. Practical Copy	10	
11	Anatomy	1. Identification of Slides	10	50
		2. Identification of Bones	20	
		3. Draw & Label Diagram of Bone	5	
		4. Viva Voce	10	
		5. Practical Copy	5	

***Total Marks =1000***

***Doctor of Pharmacy (Pharm.D)***  
***Second Professional Examination***  
***(Written Papers)***

<b>Paper #</b>	<b>Name of Paper</b>	<b>Theory Paper</b>					<b>Marks for Theory Paper</b>	
<b>1</b>	<b>Pharmaceutics-II (Pharmaceutical Preparations)</b>	60 marks	<b>SEQs</b>		<b>MCQs</b>		<b>100</b>	
			10 SEQs	6 marks each	40 marks	40 MCQs		1 mark each
			2 hrs 20 min			40 min		
<b>2</b>	<b>Pharmacology and Therapeutics-I</b>	60 marks	<b>SEQs</b>		<b>MCQs</b>		<b>100</b>	
			10 SEQs	6 marks each	40 marks	40 MCQs		1 mark each
			2 hrs 20 min			40 min		
<b>3</b>	<b>Pharmacognosy-I</b>	60 marks	<b>SEQs</b>		<b>MCQs</b>		<b>100</b>	
			10 SEQs	6 marks each	40 marks	40 MCQs		1 mark each
			2 hrs 20 min			40 min		
<b>4</b>	<b>Pharmaceutical Microbiology</b>	60 marks	<b>SEQs</b>		<b>MCQs</b>		<b>100</b>	
			10 SEQs	6 marks each	40 marks	40 MCQs		1 mark each
			2 hrs 20 min			40 min		
2 hrs		30 min						
<b>5</b>	<b>Islamiyat /Ethics</b>	60	5 Questions	20 marks each	60 marks		<b>100</b>	
	Attempt any three							
	<b>Pakistan Studies</b>	40	4 Questions	14+13+13	40 marks			
			Attempt any three					

***Second Professional Pharm.D  
Practical Examinations***

Paper #	Name of Paper		Practical Paper		Marks for practical paper
			Division of Marks		
6	<b>Pharmaceutics-II (Pharmaceutical Preparations)</b>		1. Method /Procedure Writing	20	<b>100</b>
			2. Preparation/ Performance	30	
			3. Calculation/ Result	10	
			4. Viva Voce	30	
			5. Practical Copy	10	
7	<b>Pharmacology and Therapeutics-I</b>		1. Method /Procedure Writing	20	<b>100</b>
			2. Preparation/ Performance	30	
			3. Calculation/ Result	10	
			4. Viva Voce	30	
			5. Practical Copy	10	
8	<b>Pharmacognosy-I</b>		1. Method /Procedure Writing	20	<b>100</b>
			2. Preparation/ Performance	30	
			3. Calculation/ Result	10	
			4. Viva Voce	30	
			5. Practical Copy	10	
9	<b>Pharmaceutical Microbiology (Two Days)</b>	<b>1<sup>st</sup> Day Performance of the Practical</b>	1. Method /Procedure Writing of Two Practical	15	<b>100</b>
			2. Identification of Slides	10	
			3. Preparation/ Performance	25	
			4. Viva Voce	30	
			5. Practical Copy	10	
		<b>2<sup>nd</sup> Day</b>	6. Observation/ Calculation/ Result	10	

**Total Marks = 900**