



1. Introduction

- 1.1 Pharmacy is the health profession that links the health sciences with the chemical sciences, and it is charged with ensuring the safe use of medication. The scope of Pharmacy practice includes more traditional roles such as compounding and dispensing medications, and it also includes more modern services related to patient care, including clinical services, reviewing medications for safety and efficacy, and providing drug information.
- 1.2 The significance of Pharmacy profession and the role of Pharmacists in uplifting health care system have been well established and acknowledged all over the world. The Pharmacy profession is well known as a ***“Life Saving Profession”***. The major emphasis of the World Health Organization (WHO) in the developing countries is to provide prompt and economical means for caring human health. This noble task can not be achieved with out Pharmacists because they are the only ones who know about drugs and related substances.
- 1.3 Faculty of Pharmacy was established in 1980 and due to high demand of its graduates; it is one of the most sought after discipline. It is very well staffed and equipped. Due to its high standard it is recognized by Pakistan Council of Pharmacy.

2. Objectives

- 2.1 To prepare professional and focused pharmacists for the provision of high level pharmacy services in a range of services.
- 2.2 To provide an opportunity to students to acquire specialized knowledge and skills in pharmacy practice.
- 2.3 To provide qualified and focused professionals in the subject of pharmacy to meet the needs of health care system, clinical pharmacy, industry and society.
- 2.4 To prepare researchers to meet the needs of industry and research organization as community pharmacist, science and technology.
- 2.5 To impart knowledge of major disciplines of pharmacy, enabling the students to understand the principles of organization and inter-relationship in health with particular references to pharmacy.
- 2.6 To teach different methods for exploration, investigation, organization formulation of data and its utilization in practical life, particularly in health field.
- 2.7 To equip students with knowledge and skill for better planning and management of Hospital Pharmacy, Clinical Pharmacy, Community Pharmacy and Health Medicine.
- 2.8 To provide education programs, which encourage students to think creatively Medical Sales Officer, Medical Sales Representative etc.



3. Vocational Job Opportunities/Marketability of Graduates

- 3.1. Hospital Pharmacist, Clinical Pharmacist
- 3.2. Retail Pharmacist, Community Pharmacist
- 3.3. Production Pharmacist, Manager Quality Control
- 3.4. Sales Promotion Officer, Sales Manager, Marketing Director
- 3.5. Educational Institutes and research
- 3.6. Drug Inspector, Assistant Drugs Controller, Drugs Analyst

4. FACULTY OF PHARMACY

The faculty will comprise of the following departments with Faculty members and relevant subjects;

4.1 DEPARTMENT OF PHARMACEUTICS:

S. No	Name	Designation	Qualification
1.	Mr. Ghulam Razaque Shahwani	Chairperson/ Assistant Professor	B-Pharm, M-Phil, Ph.D (Reg)
2.	Dr. Syed Umer Jan	Assistant Professor	B-Pharm, M-Phil, Ph.D
3.	Mrs. Tahmina Rabani	Assistant Professor	B-Pharm, M-Phil , Ph.D (Reg)
4.	Dr. Qaiser Iqbal	Assistant Professor	Pharm-D, M.Phil Ph.D (Reg)
5.	Ms. Mahira Tabasum	Lecturer	B-Pharm, M-Phil (Reg)
6.	Dr. Naheed Haque	Assistant Professor(On Leave)	M-Phil, Ph.D

SUBJECTS

- Pharmaceutics-I (Physical Pharmacy)
- Pharmaceutics-II (Dosage Forms Science)
- Pharmaceutics-III (Pharmaceutical Microbiology & Immunology)
- Pharmaceutics-IV (Industrial Pharmacy)
- Pharmaceutics-V (Biopharmaceutics and Pharmacokinetics)
- Pharmaceutics-VI (Pharmaceutical Quality Management)
- Pharmaceutics-VII (Pharmaceutical Technology)

4.2 DEPARTMENT OF PHARMACEUTICAL CHEMISTRY:

S. No	Name	Designation	Qualification
1	Mr. Nisar Ahmed Shahwani	Chairperson/ Assistant Professor	B-Pharm, M-Phil, Ph.D (Reg)
2	Ms. Ayesha Khalid	Lecturer	B-Pharm, M.Phil

SUBJECTS

- Pharmaceutical Chemistry-I (Organic Chemistry)



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- Pharmaceutical Chemistry-II (Biochemistry)
- Pharmaceutical Chemistry-III (Pharmaceutical Analysis)
- Pharmaceutical Chemistry-IV (Medicinal Chemistry)

DEPARTMENT OF PHARMACOGNOSY:

S. No	Name	Designation	Qualification
1	Mrs. Bushra Aziz Khan	Chairperson/ Assistant Professor	M.Sc, M-Phil, Ph.D (Reg)
2	Mr. Shafi Mohammad	Assistant Professor	B-Pharm, M-Phil, Ph.D (Reg)

SUBJECTS

- Pharmacognosy-I (Basic)
- Pharmacognosy-II (Advanced)

DEPARTMENT OF PHARMACOLOGY:

S. No	Name	Designation	Qualification
1.	Prof; Dr. Javeid Iqbal	Professor/Dean	M.Phil, PhD
2.	Mr. M. Younis	Chairperson/ Assistant Professor	B-Pharm, M-Phil, Ph.D (Reg)
3.	Mr. Abdul Aziz Khan	Assistant Professor	B-Pharm, M-Phil, Ph.D (Reg)
4.	Dr. Zainab	Lecturer	Pharm-D M-Phil (Reg)
5.	Dr. Ahmed Tokhai	Lecturer	Pharm-D M-Phil (Reg)
6.	Mr. Haroon Arshad	Lecturer (on Deputation)	B-Pharm, M-Phil

SUBJECTS

- Physiology
- Anatomy & Histology
- Pathology
- Pharmacology and Therapeutics-I (Basic)
- Pharmacology and Therapeutics-II (Advanced)

DEPARTMENT OF PHARMACY PRACTICE:

S. No	Name	Designation	Qualification
1	Dr. Noman-ul-Haq	Chairperson/ Assistant Professor	B-Pharm, M-Phil, MBA, Ph.D
2	Dr. M. Aleem Akhter	Lecturer	B-Pharm, M-Phil, Ph.D
3	Mr. Fahad Saleem	Lecturer (on study leave)	B-Pharm, M-Phil, MBA, Ph.D (Reg)



4.	Ms. Salma Malik	Lecturer (on study leave)	B-Pharm, M-Phil, Ph.D (Reg)
5.	Mr. Nafees Ahmed	Lecturer (on study leave)	B-Pharm, M.Phil, Ph.D (Reg)

SUBJECTS

- Pharmacy Practice-I (Pharmaceutical Mathematics and Biostatistics)
- Pharmacy Practice-II (Dispensing, Community, Social & Administrative Pharmacy)
- Pharmacy Practice-III (Hospital Pharmacy)
- Pharmacy Practice-IV (Forensic Pharmacy)
- Pharmacy Practice-V (Clinical Pharmacy-I)
- Pharmacy Practice-VI (Clinical Pharmacy-II)
- Pharmacy Practice-VII (Computer & its Applications in Pharmacy)
- Pharmacy Practice-VIII (Pharmaceutical Management and Marketing)

5. Rules of Pharm-D Five Years

The course is conducted according to the rules of Pharmacy Council of Pakistan.

- 5.1. No student shall be allowed to sit in the next Professional Examination with out passing the previous Prof. Examination in all subjects.
- 5.2. Any student who fails to pass the 1st Prof. Examination in five chances shall cease to pursue further Pharmacy Education.
- 5.3. 40% of the written exam shall consist multiple choice questions and the rest 60% of short structured essays, extended essays.
- 5.4. A student who appears for exam in any subject and passes in theory but fails in practical or vice versa shall reappear only in theory or in practical in which he fails.

6. Rules for admission in Pharm-D

- 6.1. The candidate must have passed F.Sc Pre-Medical
- 6.2. The candidate has to appear for the entry test conducted by NTS & qualify on merit.

7. Programs of Study

- 7.1 Doctor of Pharmacy, 5 years morning and Self Supporting Evening Program
- 7.2 Doctor of Pharmacy, one year evening condense program
- 7.3 M.Phil in Pharmacy Practice, Pharmacology, Pharmacognosy, Pharmaceutical Chemistry, Pharmaceutics.
- 7.4 Ph.D in Pharmacy Practice, Pharmacology, Pharmacognosy, Pharmaceutical Chemistry, Pharmaceutics.

8. Description of Courses



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8.1 Duration; Five Years. Each year terminates to a Professional Examination. The subjects in each professional year are approved by the Pharmacy Council of Pakistan. Higher Education Commission (HEC) and World Health Organization (WHO).

8.2 In addition, 1 year condense course is also offered to those pharmacists who have already graduated from Faculty of Pharmacy, University of Balochistan for the up gradation of B-Pharmacy into Doctor of Pharmacy.

8.3 Course of Doctor of Pharmacy 5 years Morning & Self Supporting Evening Program

First Professional

<u>Theory</u>		
Paper 1	Pharmaceutical Chemistry-I (Organic)	100
Paper 2	Pharmaceutical Chemistry-II (Biochemistry)	100
Paper 3	Pharmaceutics-I (Physical Pharmacy)	100
Paper 4	Physiology	100
Paper 5	Anatomy & Histology	50
Paper 6	English	100
<u>Practical</u>		
Paper 8	Pharmaceutical Chemistry-I (Organic)	100
Paper 9	Pharmaceutical Chemistry-II (Biochemistry)	100
Paper 10	Pharmaceutics-I (Physical Pharmacy)	100
Paper 11	Physiology	100
Paper 12	Anatomy & Histology	50
Total Marks:		1000

Second Professional

<u>Theory</u>		
Paper 1	Pharmaceutics-II (Dosage Form Science)	100
Paper 2	Pharmacology and Therapeutics-I	100
Paper 3	Pharmacognosy-I (Basic)	100
Paper 4	Pharmaceutics-III (Pharmaceutical Microbiology & Immunology)	100
Paper 5	Pakistan Studies and Islamic Studies (Compulsory)	100
Paper 6	Pharmacy Practice-I (Pharmaceutical Mathematics and Biostatistics)	100
<u>Practical</u>		
Paper 7	Pharmaceutics-II (Dosage Form Science)	100
Paper 8	Pharmacology and Therapeutics-I	100
Paper 9	Pharmacognosy-I (Basic)	100
Paper 10	Pharmaceutics-III (Pharmaceutical Microbiology & Immunology)	100
Total Marks:		1000

Third Professional

<u>Theory</u>		
Paper 1	Pathology	50
Paper 2	Pharmacology and Therapeutics-II	100



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Paper 3	Pharmacognosy-II (Advanced)	100
Paper 4	Pharmacy Practice-II (Dispensing, Community, Social & Administrative Pharmacy)	100
Paper 5	Pharmaceutical Chemistry-III (Pharmaceutical Analysis)	100
Paper 6	Pharmacy Practice -VIII (Computer and its Applications in Pharmacy)	50

Practical

Paper 7	Pathology	50
Paper 8	Pharmacology and Therapeutics-II	100
Paper 9	Pharmacognosy-II (Advanced)	100
Paper 10	Pharmacy Practice-II (Dispensing, Community and Social & Administrative Pharmacy)	100
Paper 11	Pharmaceutical Chemistry-III (Pharmaceutical Analysis)	100
Paper 12	Pharmacy Practice -VIII (Computer and its Applications in Pharmacy)	50
Total Marks:		1000

Fourth Professional

Theory

Paper 1	Pharmacy Practice-III (Hospital Pharmacy)	100
Paper 2	Pharmacy Practice -IV (Clinical Pharmacy-I)	100
Paper 3	Pharmaceutics-IV (Industrial Pharmacy)	100
Paper 4	Pharmaceutics-V (Bio pharmaceuticals and Pharmacokinetics)	100
Paper 5	Pharmaceutics-VI (Pharmaceutical Quality Management)	100

Practical

Paper 6	Pharmacy Practice -IV (Clinical Pharmacy-I)	100
Paper 7	Pharmaceutics-IV (Industrial Pharmacy)	100
Paper 8	Pharmaceutics-V (Bio-pharmaceutics and Pharmacokinetics)	100
Paper 9	Pharmaceutics-VI (Pharmaceutical Quality Management)	100
Total Marks:		900

Fifth Professional

Theory

Paper 1	Pharmaceutical Chemistry-IV (Medicinal Chemistry)	100
Paper 2	Pharmacy Practice -V (Advanced Clinical Pharmacy-II)	100
Paper 3	Pharmaceutics-VII (Pharmaceutical Technology)	100
Paper 4	Pharmacy Practice -VI (Forensic Pharmacy)	100
Paper 5	Pharmacy Practice-VII (Pharmaceutical Management and Marketing)	100

Practical

Paper 6	Pharmaceutical Chemistry-IV (Medicinal Chemistry)	100
Paper 7	Pharmacy Practice -V (Advanced Clinical Pharmacy-II)	100
Paper 8	Pharmaceutics-VII (Pharmaceutical Technology)	100
Total Marks:		800



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Grand Total Marks: 4700



8.9 Course for Pharm-D 1 Year Condense Program

- 8.9.1 Pharmaceutics-IV (Bio-Pharmaceutics)
- 8.9.2 Biostatistics
- 8.9.3 Pharmaceutics-II (Clinical Pharmacy)
- 8.9.4 Computer & its Application in Pharmacy
- 8.9.5 Pharmaceutics-I (Hospital Pharmacy)
- 8.9.6 Pharmaceutical Chemistry (Instrumentation)
- 8.9.7 Pathology
- 8.9.8 Pharmaceutics-III (Pharmaceutical Technology)

9. NEW DEPARTMENTS

Following two new departments have been established under Faculty of Pharmacy.

9.1 PHYSICAL THERAPY

Physical therapy is a health care profession concerned with human function and movement and maximizing potential for healthier smooth life. It uses physical approaches to promote, maintain, restore physical, psychological and social well-being, taking account of variations in health status. It is science based, committed to extending, applying, evaluating and reviewing the evidence that underpins and informs its practice and delivery. The exercise of clinical judgment and informed interpretation is at its core.

The mission of physical therapy professional education is to graduate knowledgeable, service oriented practitioners who, by virtue of critical and integrative thinking render independent, evidence-based judgements concerning patient needs.

9.1.1 SCOPE OF PHYSICAL THERAPY

The practice of physical therapy is the assessment, evaluation, diagnosis and treatment of neuromusculoskeletal, cardiorespiratory system of the body by physical means for the purpose of maintenance or restoration of function that has been impaired by injury or disease, for pain management and for the promotion of mobility and health. Paediatrics and sports injury are also dealt by physiotherapist.



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Recent development and scope is direct access of patient by physiotherapists for better health care services to community.

9.1.2 PHYSICAL THERAPY SPECIALISTIES.

- Musculoskeletal physical therapy
- Neurological physical therapy
- Respiratory physical therapy
- Cardiovascular physical therapy
- Paediatric physical therapy.
- Geriatric physical therapy
- Intergumentary physical therapy
- Womens health (Gynaecology and obstetirics)
- Sport physical therapy.

9.1.3 EMPLOYMENT OPPORTUNITIES

Job oppertunities for physical therapists are excellent in Pakistan as well as abroad. It is the second highly paid profession.

Average physical therapist salaries nation wide are 26% higher then average salaries for all jobs.They can be work as;

- Clinician self employment by independent practice
- Teaching as lecturer
- Hospitals
- Rehabilitation centres and schools.
- Industires
- Sport clinic
- Fitness centres
- Government sectors and heath care department (BPS-17)

9.1.4 Rules

- The duration of the degree course is 5 years.
- The candidate must have passed F.Sc Pre-Medical
- The candidate has to appear for the entry test conducted by NTS & qualify on merit.



9.1.5 CURRICULUM AND YEAR WISE COURSE DETAILS
DOCTOR OF PHYSICAL THERAPY (DPT) SCHEME OF
STUDIES

First Year

S. No	Subject title	Theory Marks	Practical / Viva /Clinical Marks	Total Marks
1.	Anatomy –I	100	100	200
2.	Physiology-I	100	100	200
3.	Kinesiology	100	100	200
4.	Bio Chemistry & Genetics –I	100	Not Applicable	100
5.	English	100	Not Applicable	100
6.	Introduction to computer	100	Not Applicable	100
	Total	600	300	900

Second Year

S. No	Subject title	Theory Marks	Practical / Viva /Clinical Marks	Total Marks
1.	Anatomy –II	100	100	200
2.	Physiology- II	100	100	200
3.	Biomechanics & ergonomics	100	100	200
4.	Bio Chemistry & Genetics –II	100	Not Applicable	100
5.	Exercise Physiology	100	Not Applicable	100
6.	Sociology & health and wellness	(50+50)=100	Not Applicable	100
7.	Medical Physics	100	Not Applicable	100
8.	Islamic studies & Pakistan studies	(50+50)=100	Not Applicable	100
	Total	800	300	1100

Third Year

S. No	Subject title	Theory Marks	Practical / Viva /Clinical Marks	Total Marks
1.	Pathology & Microbiology	100	100	200
2.	Pharmacology	100	100	200
3.	Physical agents and Electrotherapy	100	100	200
4.	Therapeutics Exercise & Techniques	100	100	200
5.	Manual Therapy	100	100	200
6.	Evidence based & Proposal practices	100	Not Applicable	100
7.	Behavioral sciences	100	Not Applicable	100
	Total	700	500	1200



Fourth Year

S. No	Subject title	Theory Marks	Practical / Viva /Clinical Marks	Total Marks
1.	Medicine including supervised Clinical practice I & II	100	200	300
2.	Clinical decision making & Deferential diagnosis	100	100	200
3.	Physical agents and musculoskeletal physical therapy including clinical practice III	100	200	300
4.	Neurological physical therapy including clinical practice IV	100	200	300
5.	Community medicine & research methodology	100	Not Applicable	100
6.	Prosthetics & Orthotics , Human development & Community based Rehabilitation	(50+50)=100	Not Applicable	100
Total		600	700	1300

Final Year

S. No	Subject title	Theory Marks	Practical / Viva /Clinical Marks	Total Marks
1	Cardiopulmonary physical therapy including supervised clinical practice-V	100	200	300
2	Emergency procedures & primary care in physical therapy	100	Not Applicable	100
3	Surgery & integumentary physical therapy including supervised clinical practice VI	100	200	300
4	physical therapy in practice and Gyne & Obstetrics	100	100	200
5	Gerontology # geriatric physical therapy	100	Not Applicable	100
6	Sport physical therapy	100	Not Applicable	100
Total		600	500	1100



9.2 DEPARTMENT OF EASTERN MEDICINE

Eastern Medical Education aims at producing competent eastern medicine (tibbi) physicians. Such physicians, with practical training based on scientific knowledge of modern diagnostics and Tibbi fundamentals will be able to take up responsibilities in health services.

Pakistan is not the only country teaching such courses. Many developed countries have adopted the concept of alternative medicine. In Japan, it is called 'Kampo' that has a society that exceeds more than 10,000 members. In India and China, they have specialized hospitals where patients are treated with herbal medicines.

In this situation, the quest for an alternative system of medicine always remained in the minds of health specialists. As a result of continuous efforts, the National Council for Tibb (NCT) a regulatory and registration authority for Eastern Medicine was established. NCT helped in improving tibbi medicine and the registration of eastern medicine (tibbi) practitioners.

The objective behind this program is to prepare batches of knowledgeable and committed eastern medicine practitioners Tabibs who could become agents of change by fulfilling healthcare needs of the masses based on centuries old wisdom and expression of tibb.

PROGRAMM OFFERED

Bachelor of Eastern Medicine and Surgery (BEMS)

9.2.1 OBJECTIVES

- Train eastern medicine (Tibbi) graduates capable of treating ailing persons through modern diagnostic techniques and with time tested remedies of Eastern Medicine.
- Prepare eastern medicine (Tibbi) clinicians to demonstrate professional skills through standard curative, preventive, and promotive interventions.
- Produce qualified eastern medicine (Tibbi) practitioners to understand temperament, body humors, disease process and to treat patients with confidence and kindness.
- Integrate basic medical knowledge with diagnostic skills and eastern medicine (Tibbi) therapeutics and pharmacognosy.



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- Plan and carry out research in Eastern Medicine aimed at health promoting and disease curing, based on principles of tibb.
- Support National Health System by assisting/supervising/contributing in the areas of Safe Food & Nutrition, Maternal Child Health, Health Education, Family Planning, Sanitation, Safe Water, and Clean Environment.
- Produce qualified graduates with knowledge of Eastern Medicine in tandem with latest technologies for diagnosis and modern methods of treatment and healthcare.

9.2.2 SCOPE

It is worthwhile to note that the number of eastern medicine manufacturing units in the country is more than 400. They are producing and marketing thousands of herbal products in the market. Recently the regulation of Alternative medicine has been established and implementation has been started. Apart from that, hundreds of eastern medicine Clinics / Matabs/ Dispensaries, both in public and private sectors, are functional. Therefore the need for qualified and competent eastern medicine (Tibbi) physician / hukama is fast increasing. Following are some of the areas where job opportunities for qualified eastern medicine (Tibbi) physician exist:

- General Practice / Private Practice: Set up a private clinic as practice as Registered eastern medicine (Tibbi) physician Practitioner, authorized to prescribe eastern (Tibbi) Medicine.
- Teaching Career: Appointed as lecturer/instructor in Tibbi institutions, Deptts. of Eastern Medicine, etc.
- Appointed as Registered eastern medicine (Tibbi) physician Practitioner in any private institution as a recognized tibbi practitioner.
- Appointed as a scientific officer, research officer, in quality assurance, production, etc. in eastern medicine (Tibbi) pharma industry, as Sales officer, Product Promotion Officer of tibbi pharmaceutical industry, etc. and as Food & Nutrition Education Officer, Food Supervisor, Food Inspector in Govt., Semi Govt., and Private sectors.



9.2.3 Criteria and requirements

- The duration of the degree course is 5 years.
- The candidate must have passed F.Sc Pre-Medical
- The candidate has to appear for the entry test conducted by NTS & qualify on merit.

CURRICULUM FOR BEMS

SCHEME OF STUDIES

FIRST PROFESSIONAL

Theory

Paper 1.	Anatomy–I	=	100
Paper 2.	Physiology–I	=	100
Paper 3.	Biochemistry–I	=	100
Paper 4.	Principles of Eastern Medicine–I	=	100
Paper 5.	History of Eastern Medicine	=	100
Paper 6.	Islamic Studies/Ethical Behavior/ Pakistan Studies	=	100

Practical

Paper 7.	Anatomy–I	=	100
Paper 8.	Physiology–I	=	100
Paper 9.	Biochemistry–I	=	100

Total = 900

SECOND PROFESSIONAL

Theory

Paper 1.	Anatomy–II	=	100
Paper 2.	Physiology–II	=	100
Paper 3.	Biochemistry–II	=	100
Paper 4.	Principles of Eastern Medicine–II	=	100
Paper 5.	Pharmacognosy–I	=	100
Paper 6.	Bioinformatics	=	50

Practical

Paper 7.	Anatomy–II	=	100
Paper 8.	Physiology–II	=	100
Paper 9.	Biochemistry–II	=	100
Paper 10.	Pharmacognosy–I	=	100
Paper 11	Bioinformatics	=	50

Total = 1000



THIRD PROFESSIONAL

Theory

Paper 1.	Pharmacy	=	100
Paper 2.	Microbiology & Parasitology	=	100
Paper 3.	Community Medicine	=	100
Paper 4.	Materia Medica-I	=	100
Paper 5.	Pharmacognosy-II	=	100
Paper 6.	Clinical Methods and Therapeutics-I	=	100
Paper 7.	Forensic Medicine and Toxicology	=	100

Practical

Paper 8.	Pharmacy	=	100
Paper 9.	Microbiology & Parasitology	=	100
Paper 10.	Materia Medica-I	=	100
Paper 11.	Pharmacognosy-II	=	100

Clinical

Paper 12.	Clinical Methods and Therapeutics-I	=	100
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Total = 1200

FOURTH PROFESSIONAL

Theory

Paper 1.	Pathology	=	100
Paper 2.	Surgery-I	=	100
Paper 3.	Clinical Psychology & Psychiatry	=	100
Paper 4.	Materia Medica-II	=	100
Paper 5.	Obstetrics and Gynaecology-I	=	100
Paper 6.	Clinical Methods and Therapeutics-II	=	100

Practical

Paper 7.	Pathology	=	100
Paper 8.	Clinical Psychology & Psychiatry	=	100
Paper 9.	Materia Medica-II	=	100

Clinical

Paper 10.	Surgery-I	=	100
Paper 11.	Obstetrics and Gynaecology-I	=	100
Paper 12.	Clinical Methods and Therapeutics-II	=	100

Total = 1200



FINAL PROFESSIONAL

Gynaecology

Theory

Paper 1.	Paediatrics	=	100
Paper 2.	Ophthalmology and ENT	=	100
Paper 3.	Obstetrics & Gynaecology–II	=	100
Paper 4.	Surgery–II	=	100
Paper 5.	Clinical Diagnostics	=	100
Paper 6.	Clinical Methods and Therapeutics–III	=	100

Clinical

Paper 7.	Pediatrics	=	100
Paper 8.	Ophthalmology and ENT	=	100
Paper 9.	Obstetrics & Gynaecology–II	=	100
Paper 10.	Surgery–II	=	100
Paper 11.	Clinical Diagnostics	=	100
Paper 12.	Clinical Methods and Therapeutics–III	=	100

Total = 1200

TOTAL MARKS OF STUDY COURSE = 5500



10. FACILITIES.

10.1 Teaching Laboratories.

The Faculty of Pharmacy has 6 well-equipped and modern laboratories along with the supporting staff to cater the needs of Pharmacy students.

10.2 Research Laboratory.

A separate well equipped laboratory will be developed for M.Phil and Ph.D students

10.3 Computer Lab.

Computer laboratory is established which can be used by students and research scholars of the Faculty

10.4 Industrial Lab

The faculty of Pharmacy has established a well equipped and modern industrial lab for students Graduates and researchers.

10.5 Faculty Library

The Faculty library is managed by a qualified librarian and has over 800 books covering a wide range of disciplines in Pharmacy for teaching and research purposes. These books are in addition to more than 1000 titles of Pharmacy books stocked in Central library of the University. The Faculty library also has a vast collection of International Research Journals. A complete list of these Journals can be obtained from the librarian.

10.6 Internet Facility.

The internet facility is also available in all laboratories and library number of International research journals are available on Digital Library provided by Higher Education Commission and research articles of interest can also be downloaded.

10.7. Microbiology Research Laboratory.

A separate well equipped Laboratory has been developed for subject of Microbiology and higher research students.

(Ghulam Razaque Shahwani)

Incharge

Faculty of Pharmacy,

University of Balochistan

Quetta.