



LIAQUAT
UNIVERSITY

OF MEDICAL & HEALTH SCIENCES

PROSPECTUS 2020-21

BS (DEGREE & DIPLOMA PROGRAMMES) SESSION 2020 - 21

DPT | Pharm-D | BS. Nursing |
BS Technology Degree & Diploma Programmes

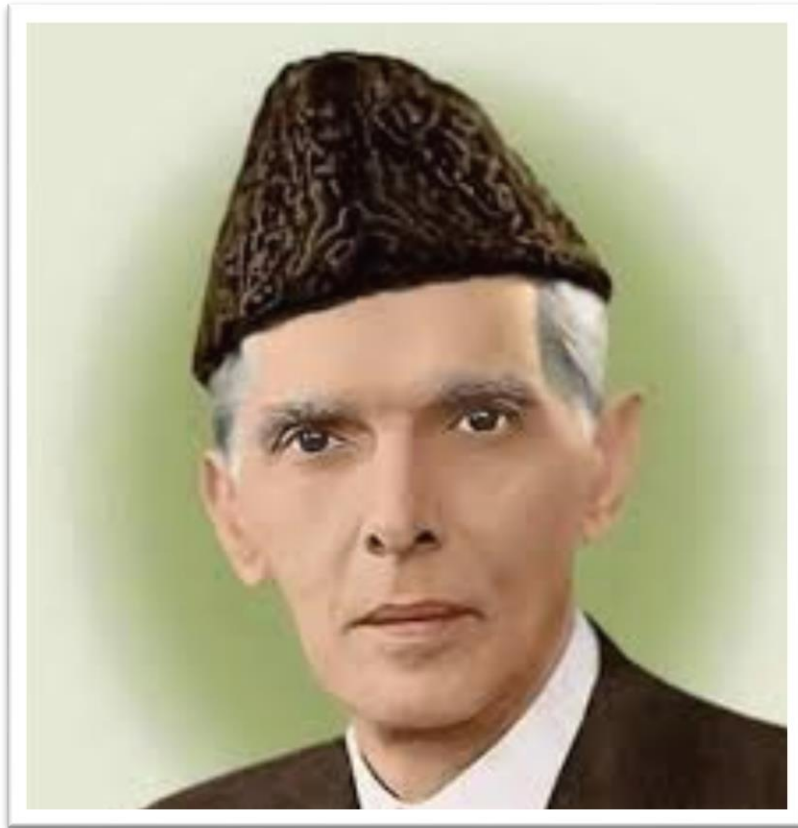


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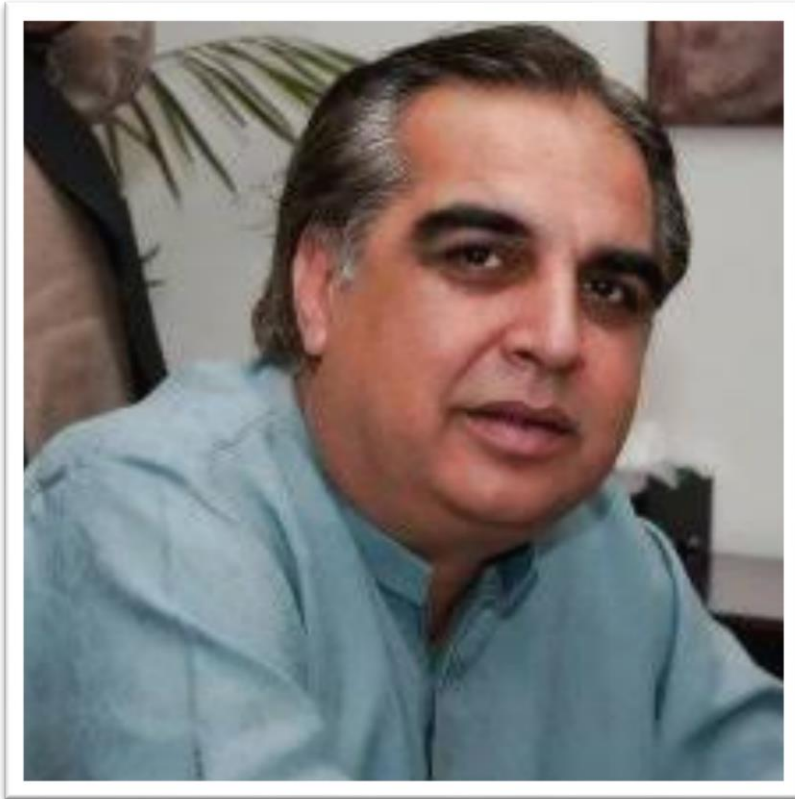
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QUAID E AZAM MUHAMMAD ALI JINNAH

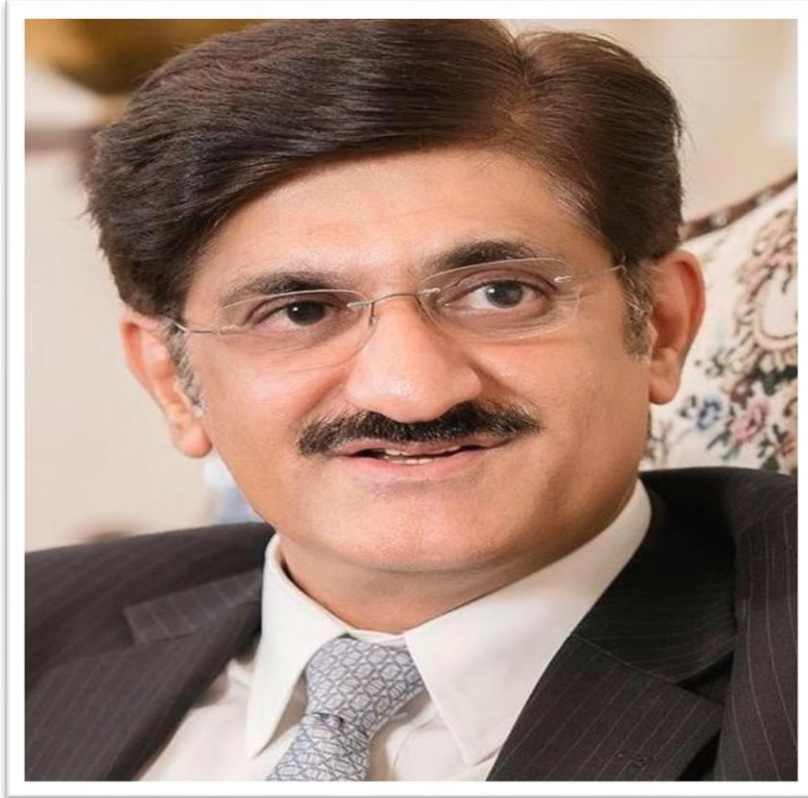


With faith, discipline and selfless devotion to duty, there is nothing worthwhile that you cannot achieve.



MR. IMRAN ISMAIL

Governor of Sindh



SYED MURAD ALI SHAH

Chief Minister of Sindh



DR. AZRA FAZAL PECHUHO

Minister of Health / Pro Chancellor

LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCES, JAMSHORO



Message of Vice chancellor

It gives me immense pleasure to welcome aspiring students from all corners of the world for the upcoming academic year. Liaquat University of Medical & Health Sciences emerged as first public sector medical University in 2001 from the historical status of Liaquat Medical College. The University provides high-quality education, equipping students with the acumen to address challenges of life.

As the University has foundation programs in Undergraduate and post-graduate programs under the same major umbrella, but in the recent past keeping in view of the requirement of job market at local and global level, University has started technical programs including BS and diploma programs in genetics, Medical technology, biomedical engineering, physiotherapy and the list is on expanding.

The University has achieved remarkable success and continues to forge its future with new program initiatives, a modern curriculum, research endeavors, student engagement, professional training, faculty development, progress towards a state-of-the-art campus building and modern facilities. The University has established academic and research collaborations with International universities in United States of America, Europe and China to further strengthen our education system. We consider each student as individual with different needs and bent of mind. Therefore, areas of general teaching as well as options for more personalized teaching and attachment are always there including but not limited to undergraduate student exchange program for a short term stay at International Collaborating Institution.

As Vice Chancellor, I am deeply committed to attract highly qualified faculty dedicated to academic excellence, sophistication, top-notch research, and service to society. These all contribute in the development of our university in particular and national development in general. Liaquat University is the center of excellence to develop confident leaders and independent thinkers in the healthcare system

I wish all my students a great success in their career and life.

PROF. DR. BIKHA RAM DEVRAJANI

Vice Chancellor, LUMHS, Jamshoro

UNDERGRADUATE PROGRAMS

DEGREE PROGRAMES

1. Doctor of Physiotherapy (DPT) (Five Years)
2. Doctor of Pharmacy (Pharm-D) (Five Years)
3. Bio-Medical Engineering (Four Years)
4. BS Nursing (Four Years)
5. BS Radiologic Technology (BSRT) (Four Years)
6. Associate of Applied Sciences in Radiologic Technology (AASRT) (Two Years)
7. BS Medical Laboratory Technology (BSMLT) (Four Years)
8. BS Forensic Science in Forensic Biology (BSFB) (Four Years)
9. BS Forensic Science in Forensic Chemistry & Toxicology (BSFC&T) (Four Years)
10. BS Molecular Biology & Genetics (Four years)

DIPLOMA PROGRAMS:

- | | |
|---|----------------------|
| 1. Diploma in CT Technology | (One Year Duration) |
| 2. Diploma in MRI Technology | (One Year Duration) |
| 3. Diploma in Blood Banking and Transfusion | (One Year Duration) |
| 4. Diploma in Ophthalmic Technician | (Two Years Duration) |
| 5. Diploma in Dental Technician | (Two Years Duration) |
| 6. Diploma in Refractionist | (Two Years Duration) |

INSTITUTE OF PHYSIOTHERAPY & REHABILITATION SCIENCES

INTRODUCTION

The Institute of Physiotherapy & Rehabilitation Sciences, LUMHS, Jamshoro was started Bachelor of Science in Physiotherapy (B.S. Physiotherapy) degree program under the dynamic leadership of Prof. Dr. Noshad A. Shaikh, Chancellor, Liaquat University of Medical & Health Sciences, Jamshoro. This Institute of LUMHS is the first ever Public Sector Institute of Sindh Province offered B.S. Physiotherapy Degree Program, before this, Jinnah Postgraduate Medical Center (JPMC), Karachi was running under Federal Government of Pakistan.

The numbers of graduates from Private Institutes were rather low and the poor patients of whole Province in general & interior Sindh in particular could not have the facilities of Physiotherapy treatment. Moreover, the young blood did not have the easy & economical excess to improve their education & training. Hence there was dire need of establishing the Institute of Physiotherapy to impart quality medical education dealing with Physiotherapy by this relieves pain and re-gain strength after serious injuries, illness and surgery.



The B.S. Physiotherapy (BSPT) four (04) years degree program announced first time at this Institute during the year 2009 and same program was offered up to the year 2011, then Doctor of Physiotherapy (DPT) five (05) years degree program started at Institute of Physiotherapy from the year 2012.

This Institute is well-equipped with modern facilities i.e. Lecture Halls, Medical Physics Lab, various Physio-Labs, Reading & Lending Library, Out Patient Department and comfortable atmosphere with Air-conditioners & teaching aids. The students have not only the opportunity to see the working of gadgets but also have the chance to practically learn the methods of Physiotherapy on the patients attending the O.P.D and also Wards in Liaquat University Hospital Jamshoro & Hyderabad.

In order to keep improving & update the knowledge of Faculty of IPRS & staff of OPD, organizing / conducting Continuous Medical Education (CME) & Workshops. There has been a change in the teaching & training in the modality of treatment of various diseases through Physiotherapy with the advancements in the medical science, basic graduation throughout world is changing from four years program of Bachelor of Sciences in Physiotherapy to five (05) years degree program of Doctor of Physiotherapy (DPT). The LUMHS nevertheless is not left behind & is the first Public Sector Institute of Sindh Province to start the Doctor of Physiotherapy (DPT) five years degree program.

**ADMINISTRATIVE & ACADEMIC SUPPORT OF
INSTITUTE OF PHYSIOTHERAPY & REHABILITATION SCIENCES**

ADMINISTRATIVE SUPPORT		
S. #	NAME	DESIGNATION
01	Dr. Asif Gulzar Shaikh	Director
02	Dr. Khurram-ullah Shaikh	Additional Director
03	Mr. Abdul Ghafoor Siyal	Administrative Officer
04	Mr. Niaz Ahmed Daudani	Librarian
05	Mr. Muhammad Shahid	Assistant
06	Mr. Yasir Abbasi	Assistant Librarian
07	Mr. Muhammad Muqem	Computer Operator
08	Mr. Altaf Ahmed Larik	Senior Clerk
09	Mr. Shahmir Mallah	Junior Clerk
10	Mr. Bashir Ahmed Memon	Record Keeper
ACADEMIC SUPPORT		
S. #	NAME OF TEACHING FACULTY	DESIGNATION
01	Mr. Sikandar Ali Sangrasi	Assistant Professor
02	Syed Faizan Ali	Lecturer
03	Ms. Wajeaha Sahre	Lecturer
04	Ms. Sana Naqi	Lecturer
05	Mr. Ashok Kumar	Lecturer
06	Ms. Ghazala	Lecturer
07	Ms. Pinky	Lecturer
08	Mr. Satish Kumar	Lecturer

COURSE CURRICULUM

DOCTOR OF PHYSIOTHERAPY
SCHEME OF STUDIES FOR 5-YEARS DPT PROGRAM

SEMESTER / YEAR	NAME OF SUBJECT	CREDITS
FIRST PROFESSIONAL YEAR		
FIRST	Anatomy-I	4(3-1)
	Physiology-I	3(2-1)
	Kinesiology-I	3(2-1)
	English (Functional English)	3(3-0)
	Pakistan Studies	2(2-0)
	Biostatistics-I	3(3-0)
		18
SECOND	Anatomy-II	4(3-1)
	Physiology-II	3(2-1)
	Kinesiology-II	3(2-1)
	English-II (Communication Skills)	3(3-0)
	Islamic Studies / Ethics	2(2-0)
	Biostatistics-II / University Optional	3(3-0)
		18
SECOND PROFESSIONAL YEAR		
THIRD	English-III (Technical Writing & Presentation Skills)	3(3-0)
	Introduction to Computer	3(2-1)
	Anatomy-III	3(2-1)
	Physiology-III	3(2-1)
	Biomechanics & Ergonomics-I	3(3-0)
	Biochemistry & Genetics-I	2(2-0)
		17
FOUR	Anatomy-IV (Neuro-Anatomy)	3(2-1)
	Biomechanics & Ergonomics-II	3(2-1)
	Behavioral Sciences (Psychiatry & Psychology)	3(3-0)
	Biochemistry & Genetics-II	2(2-0)
	Exercise Physiology	3(3-0)
	Medical Physics	3(2-1)
		17
THIRD PROFESSIONAL YEAR		
FIFTH	Pathology & Microbiology-I	2(2-0)
	Pharmacology-I	3(3-0)
	Physical Agents & Electrotherapy-I	3(2-1)
	Therapeutic Exercise & Techniques	3(2-1)
	Sociology	2(2-0)
	Health & Wellness	2(2-0)
	Supervised Clinical Practice-I	3(0-3)
		18
SIXTH	Pathology & Microbiology-II	3(2-1)
	Pharmacology-II	2(2-0)
	Physical Agents & Electrotherapy-II	3(2-1)
	Manual Therapy	3(2-1)
	Teaching Methodology & Community Medicine	3(3-0)
	Supervised Clinical Practice-II	3(0-3)
		17

FOURTH PROFESSIONAL YEAR		
SEVENTH	Medicine-I	3(3-0)
	Surgery-I	3(3-0)
	Radiology & Diagnostic Imaging	3(2-1)
	Musculoskeletal Physical Therapy	3(2-1)
	Human Growth, Development & Community Based Rehabilitation	2(2-0)
	Supervised Clinical Practice-III	3(0-3)
		17
EIGHT	Medicine-II	3(3-0)
	Surgery-II	3(3-0)
	Neurological Physical Therapy	3(2-1)
	Evidence Based Practice	3(2-1)
	Prosthetics & Orthotics	2(2-0)
	Supervised Clinical Practice-IV	3(0-3)
		17
FIFTH PROFESSIONAL YEAR		
NINTH	Cardiopulmonary Physical Therapy	3(2-1)
	Emergency Procedure & Primary Care in Physical Therapy	2(2-0)
	Clinical Decision Making & Differential Diagnosis	3(3-0)
	Scientific Inquiry & Research Methodology	3(2-1)
	Professional Practice (Laws, Ethics & Administration)	2(2-0)
	Integumentary Physical Therapy	2(2-0)
	Supervised Clinical Practice-V	3(0-3)
		18
TENTH	Obstetrics & Gynecological Physical Therapy	2(2-0)
	Pediatric Physical Therapy	2(2-0)
	Gerontology & Geriatric Physical Therapy	2(2-0)
	Sports Physical Therapy	2(2-0)
	Supervised Clinical Practice-VI	4(0-4)
	Research Project	6
		18
	Total Credits	175

NOTE *

This scheme of curriculum is also applicable to annual system; in which two consecutive semesters will be considered as one professional year.

CREDIT HOURS DISTRIBUTION IS AS FOLLOWING:

- ◆ **Theory:** one credit hour shall be equal to one hour of teaching per week throughout the semester.
- ◆ **Practical / Lab:** one credit hour shall be equal to two hours of lab work per week throughout the semester.
- ◆ **Clinical:** one credit hour shall be equal to three hours of clinical work per week throughout the semester.
- ◆ **Research:** One credit hour shall be equal to three hours of research work per week throughout the semester.

HOUSE JOB:

After graduation, DPT graduates will be absorbed for the House Job for period of one **(01)** year in the hospitals affiliated to the Liaquat University of Medical & Health Sciences. They will be paid monthly stipend after successfully completion will have the certificates of Internship/ House Job.

EVALUATION SYSTEM:

❖ **Log Book:**

- ▲ For Theory
- ▲ For Practical / Clinical

❖ **Internal Evaluation**

(After 6th or 12th week of every semester)

❖ **Semester Examination**

- ▲ SBQs _____ 50
- ▲ SEQs _____ 30
- ▲ Viva / Practical _____ 100

(10% from attendance and 10% from Internal Evaluation)

RULES OF EXAMINATIONS:

- (1). The students having minimum **75%** attendance and are cleared all dues of fees will be eligible to appear in the semester examinations. Any student who fails to maintain minimum attendance as prescribed by the University / Institute of Physiotherapy for appearance, his / her examination form shall not be forwarded to the Controller of Examinations (UG).
- (2). Beside the Semester Examinations, two Internal Evaluation Tests after every six (06) Weeks study will be conducted and students should secure at **50%** marks in each test.
- (3). The organization of semester system is given below.

PROMOTION POLICY

- ★ **Promotion from one academic year to next higher academic year.**
- ★ **Policy of conducting Re-sit (repeat) examination.**

First and Second Semester Examinations:

1st semester students who after appearing in 1st Semester (Regular) examination, either declared pass or fail will be allowed promotion to 2nd Semester.

Upon promotion in 2nd Semester, students who have either passed or failed in 1st Semester examination both will be allowed to appear in 2nd Semester examination.

Pending result of 2nd Semester examination, if the classes for 3rd Semester are commenced, students of 2nd Semester (Either passed or failed in 1st semester) will be allowed to attend the classes of 3rd semester.

After announcement of 2nd Semester examination result, students of 1st and 2nd Semesters will fall in the following groups:

- a) Passed First and Second Semesters.
- b) Passed Second Semester but failed in First Semester.
- c) Passed First Semester but failed in Second Semester
- d) Failed in both the Semesters.

Students under category **B, C & D** will then be allowed re-sit examinations of **1st & 2nd** Semesters simultaneously while they remain under study process of 3rd Semester.

After announcement of re-sit (repeat) examinations result of both 1st & 2nd semesters, the students will be bifurcated into the following groups:

1. Passed 1st & 2nd semester's examinations completely they will continue in 3rd Semester
2. ***Students who failed either in 1st Semester or in 2nd Semester or both semester examinations shall be reverted i.e. termed back to 1st Semester or 2nd Semester.***

Above group of students of "DPT" after term "B" will repeat the failure subject(s) of semester I or II with junior batch.

IMPORTANT:

In case of their failure in subject(s) of 1st / 2nd or both Semesters with junior batch (repeat examination) they shall cease to be eligible for further education in IPRS, LUMHS.

NOTE: This system applies to all the semesters in all the five years.

REGULATIONS RELATING TO
DISCIPLINE, CONDUCT, WELFARE AND CODE OF HONOUR
FOR THE STUDENTS OF THE UNIVERSITY.

I. SHORT TITLE:

These regulations may be called the Liaquat University of Medical & Health Sciences (Students Discipline, Conduct, Welfare and Code of Honour) Regulation 2008.

II. DATE OF COMMENCEMENT:

- a) These Regulations shall come into force with immediate effect.
- b) These Regulations shall apply to the students of Liaquat University of Medical & Health Sciences, Jamshoro.

III. DEFINITIONS:

- a) **“Chairman”** mean Chairman of the teaching Department of the University.
- b) **“Dean of Faculty”** mean Dean of the relevant Faculty of the University.
- c) **“Director Academics”** mean an officer appointed by the University / Vice-Chancellor as a Director Academics.
- d) **“Disciplinary Committee”** means the Committee established under statues-11 of the 1st statues of the Liaquat University of Medical & Health Sciences, Jamshoro.
- e) **“Director Students Affairs”** mean an officer appointed by the University / Vice-Chancellor as a Director Students Affairs.
- f) **“Incharge Sports”** means an Officer appointed by the University / Vice-Chancellor as an Incharge Sports.
- g) **“Provost”** means an Officer appointed by the University / Vice-Chancellor as a Provost.
- h) **“University”** means the Liaquat University of Medical & Health Sciences, Jamshoro.
- i) **“Vice-Chancellor”** meant the Vice-Chancellor of Liaquat University of Medical & Health Sciences, Jamshoro.
- j) **“Warden”** means an officer appointed by the University / Vice Chancellor as a Warden for a Hostel.

IV. GENERAL DISCIPLINE AND CODE OF HONOUR:

EVERY STUDENT INCLUDING STUDENTS RESIDING IN HOSTELS SHALL OBSERVE THE FOLLOWING CODE OF HONOUR:

- a) Respect for order, morality, personal honour and rights of others.
- b) He/ She must be faithful in his / her religion, duties and respect the convictions of others in matters of religion and custom.
- c) He/ She must be loyal to his / her country and refrain from doing anything which tends to lower its honour and prestige.
- d) He/ She shall be truthful and honest in his / her dealings with all people.
- e) He/ She must respect the elders and be polite to all, especially to women, children, old people, the weak and the helpless.
- f) He/ She must respect his / her teachers, officers, and authorities of the University.
- g) He/ She must keep clean in body and mind, standing for clean speech, clean sports and clean habits.
- h) He/ She shall help his / her fellow beings especially those in distress.
- i) He/ She must devote him / herself faithfully to his / her studies.
- j) He/ She must observe austerity and protect public property.

V. ACTS OF INDISCIPLINE:**THE FOLLOWING AMONG OTHERS, SHALL CONSTITUTE ACTS OF INDISCIPLINE, FOR WHICH ACTIONS MAY BE TAKEN AGAINST:**

- a) Breach of Public morals, such as:
 - a. Use of Indecent or Filthy Language.
 - b. Use of Immodest Dress.
 - c. Use of Undesirable remarks or Gestures.
 - d. Disorderly behavior, such as shouting, abusing, quarrelling, fighting and insolence.
- b) Defiance of any University Authority.
- c) False personification or giving false information or willful suppression of facts, information, cheating or deceiving.
- d) Visiting places declared 'out of bounds' for students.
- e) Visiting without a Pass, places which are not to be visited without a Pass issued by an Officer or Authority of the University entrusted for the purpose.
- f) Inciting or staging a walkout, strike or an unauthorized procession in the University Campus / Hostels / Examination Hall / (s).
- g) Shouting of slogans derogatory to the prestige of the University or the reputation of its officers or teachers.
- h) Consumption of Alcoholic Liquor, Drugs or other Intoxicants within or outside the University Campus.
- i) Violation of known standards of immorality.
- j) Actions/ Comments defamatory of or derogatory to Islam.
- k) Smoking in a Class Room, Laboratory, Workshop, Library, Examination Hall, and Convocation Hall or during Academic functions.
- l) Organize or take part in any function with the University Campus or a Hall of residence or organize any club or society of students except in accordance with prescribed rules and regulations.
- m) Collect money or receive donation/ (s) or pecuniary assistance for or on behalf of the University or any University organization except with the written permission of the Vice-Chancellor.
- n) Neglect his/ her work habitually or absents from class/ (s) without reasonable cause or permission or the relevant officer of the University.
- o) Damage the University property or the property of a fellow student or teacher or employee of the University.
- p) Do not pay fees, fines or other dues levied, within due time, under the University Statues and Regulations.
- q) Do not comply with the Regulations relating to residence in the Hostels or Hall of residence or the Regulations relating to the wearing of prescribed Uniform or Academic Dress.
- r) Commit criminal, immoral or dishonorable act within or outside the University Campus prejudicial to the interest and reputation of the University.

VI. OFFICIAL RESPONSIBLE FOR THE MAINTENANCE OF DISCIPLINE:

Members of the teaching Staff, Director Academics and Director Students Affairs in general and Provost, Warden and the Incharge of Sports of the University shall be responsible for maintenance of order among the students, while under their charge and disorderly behavior must be dealt with promptly.

VII. PENALTIES:

Punishment or penalty for any of the offence mentioned under the preceding Regulations shall be awarded according to gravity of the case, and may be any one or more of the following:

- a) Record an adverse remark in the Black Book maintained by the Chairman/ Provost.
- b) Fine which may amount to a maximum of **Rs. 1000/-**.
- c) Expulsion from Class, Hall for a specified period not exceeding six months.
- d) Detention from Examinations.
- e) Cancellation of examination results or with-drawal of a Certificate granted.
- f) Withdrawal of concession of free / half-free / cancellation of Scholarship granted by the University and;

- g) Expulsion or rustication from the University for a specified period or permanently. Provided that no punishment shall be imposed without giving an opportunity to the students concerned to Show Cause and a chance to hear and defend him / her, if he / she, so desires.

VIII. COMPETENT AUTHORITIES TO IMPOSE PENALTIES:

The authority to impose punishment or penalty shall be exercised by the officers to the extent given below and shall be recorded in the Enrollment Register maintained by the Registrar of the University.

1) THE VICE-CHANCELLOR MAY:

- a) Fine a student up to **Rs. 5000/-** for each offence and deprive him / her privileges and positions open to students;
- b) Detain a student from appearing in a University Examination;
- c) Cancel the admission of a student or refuse to admit a student without giving any reason;
- d) Direct a Principal / Director / Incharge to cancel the admission or not to admit a student;
- e) Cancellation of University Scholarship; and
- f) Expel or rusticate a student for a specified period or for good.

2) THE DEAN OF A FACULTY MAY:

- a) Fine a student up to **Rs. 3000/-** for each / single offence; and
- b) Expel a student from the relevant Faculty for fifteen **(15)** days.

3) THE CHAIRMAN/ CHAIRPERSON/ DIRECTOR/ INCHARGE OF TEACHING DEPARTMENT OF UNIVERSITY MAY:

- a) Fine a student up to **Rs. 1000/-** for each / single offence; and
- b) Expel a student from the relevant Department for a period of one week.

4) THE PROVOST MAY:

- a) Fine a student up to **Rs. 1000/-** for each / single offence; and
- b) Expel a student from a Hall or Hostel for a specific period or for good.

5) THE DEAN OF A FACULTY MAY:

The Discipline Committee of the University shall deal with such serious cases of indiscipline as may be referred to it by the Vice-Chancellor and punishment in such cases shall be imposed on consideration of the recommendation of the Committee. Provided that no punishment shall be imposed without giving an opportunity to the student concerned to Show Cause and a chance to hear and defend him / her, if he / she so desires.

RULES OF ADMISSION:**ELIGIBILITY CRITERIA:**

The admission in the course of Doctor of Physiotherapy will purely be on merit basis.

- 1) Those candidates who have been passed the Higher Secondary School Certificate (HSC) Examinations (**Pre-Medical Group**) or 'A' level (Pre-Medical) secured at least **60%** in aggregate from any Board of Higher Secondary Education in Pakistan or any Institution from Foreign Countries duly recognized by Inter-Board Committee of Chairman (**IBCC**) are eligible to apply for the DPT Admission.
- 2) The candidate should be permanent Resident of any District of Sindh.

FORMULA FOR WORKING OUT THE OVERALL MERIT:

- | | |
|---|----------------------|
| a) HSC (Pre-Medical) / Equivalent Examination | 50% weightage |
| b) Entry Test | 50% weightage |

- 3) Once option exercised for admission will be final and there will be no change in the admission category from "Self Finance "or" Overseas" to District Merit but incase the candidate who is finally declared for provisional selection under District Merit Category, if, he/she leaves/ withdraws from provisional selection or incase such seat under same category falls vacant from any District of Sindh during the period before or up to 45 days same it shall be filled through changing the admission category of candidate who is standing next on merit and he/she has selected provisionally under Self-finance belonging from district whose merit seat falls vacant and such vacate seat shall be filled through maintaining of merit as per merit list Self-Finance category.
- 4) The period of 45 days shall be countable from the commencement of classes of 1st year 1st semester of Academic Session 2021.
- 5) Incase a seat/(s) fall/(s) vacant during first thirty (45) days of the academic year of admission session 2020-21; the same shall be filled by adopting the aforesaid procedure, any seat falling vacant upto period of 45 days, it shall not be filled and same shall stand vacant/ forfeited.
- 6) The candidates who apply for admission on the basis of fake certificates/ documents and detected at any stage shall be liable to prosecution under criminal law and their admission shall be cancelled. Institute/ University reserve right to take legal action against the candidate.
- 7) Candidate who is finally selected for admission on District Merit/ Self-Finance/ Overseas or any category shall have to pledge, through an affidavit that He/ She shall complete the course of Doctor of Physiotherapy (DPT) five (05) years. Incase He /She leaves the Institute (IPRS) before completing the Course for any reason, He /She will submit a Pay Order/ Demand Draft of **Rs.100,000/- (Rupees One Lac Only)** payable to the Institute of Physiotherapy & Rehabilitation Sciences, LUMHS, as a penalty for wasting a precious seat.
- 8) There is no rule of migration during the studies of DPT for transfer from IPRS to any other Public/Private Sector Institute/University of Sindh or transfer from other Public/Private Institute/ University of Sindh to IPRS LUMHS.

ALLOCATION OF ADMISSIONS SEATS

S #:	NAME OF DISTRICT	ADMISSIONS CATEGORIES			TOTAL SEATS
		DISTRICT MERIT	SELF-FINANCE	OVERSEAS	
1.	Badin	01			
2.	Dadu	01			
3.	Ghotki	01			
4.	Hyderabad	02			
5.	Jacobabad	01			
6.	Jamshoro	02			
7.	Karachi	02			
8.	Kashmore @ Kandhkot	01			
9.	Khairpur Mirs	02			
10.	Larkana	02			
11.	Matiali	01			
12.	Mirpurkhas	01	18	02	Fifty (50) Seats
13.	Naushahro Feroz	01			
14.	Qamber @ Shahdadkot	01			
15.	Sanghar	01			
16.	Shaheed Benazirabad	02			
17.	Shikarpur	01			
18.	Sujawal	01			
19.	Sukkur	01			
20.	Tando Allahyar	01			
21.	Tando Mohammad Khan	01			
22.	Tharparkar	01			
23.	Thatta	01			
24.	Umerkot	01			
TOTAL		30			
NOTE: UNIVERSITY RESERVES THE RIGHTS TO CHANGE ALLOCATED SEATS					

REQUIREMENT FOR ADMISSION ON OVERSEAS:

- 1) Those candidates whose Parents / Guardian are working/ residing abroad are eligible to apply for admission in DPT on Overseas category.
- 2) Candidate's Parent/ Guardian must possess Domicile of Sindh Province.
- 3) Photocopy of Candidate's Residence Certificate of Foreign Country.
- 4) Photocopy of Candidate's and Father's/ Mother's or Guardian Passport & Visa.
- 5) Application for admission on Overseas can be submitted on plain paper must be addressed to the Incharge/ Director, Institute of Physiotherapy & Rehabilitation Sciences, LUMHS Jamshoro along with Photocopy of Demand Draft of **US\$. 2,300/- (US-DOLLARS)** in favor of Vice-Chancellor LUMHS Jamshoro.

NOTE:

- ⊗ All the admission seats under District Merit, Self-Finance and Overseas categories will be filled as per Merit list.
- ⊗ Applications for admissions on Self-finance and Overseas categories will be invited after display of District Merit List.

PRESCRIBED FEES SCHEDULE:

Fee Details	District Merit Fee	Self-Finance Fee	Overseas Fee	Library fee (Per Semester)	Transport fee (Annually)	Exam fee (For all admission Categories)
Admission	Rs. 30, 000/-	Rs. 60, 000/-	US\$ 800/-	Nil	Nil	Nil
Semester-I	Rs. 50, 000/-	Rs. 120, 000/-	US\$ 1500/-	Rs. 500/-	Rs. 3000/-	Rs. 2030/-
Semester-II	Rs. 50, 000/	Rs. 120, 000/	US\$ 1500/	Rs. 500/	Nil	Rs. 2030/-
Semester-III	Rs. 50, 000/	Rs. 120, 000/	US\$ 1500/	Rs. 500/	Rs. 3000/-	Rs. 2030/-
Semester-IV	Rs. 50, 000/	Rs. 120, 000/	US\$ 1500/	Rs. 500/	Nil	Rs. 2030/-
Semester-V	Rs. 62, 000/-	Rs. 135, 000/-	US\$ 1600/-	Rs. 500/	Rs. 3000/-	Rs. 2030/-
Semester-VI	Rs. 62, 000/	Rs. 135, 000/	US\$ 1600/	Rs. 500/	Nil	Rs. 2030/-
Semester-VII	Rs. 62, 000/	Rs. 135, 000/	US\$ 1600/	Rs. 500/	Rs. 3000/-	Rs. 2030/-
Semester-VIII	Rs. 62, 000/	Rs. 135, 000/	US\$ 1600/	Rs. 500/	Nil	Rs. 2030/-
Semester-IX	Rs. 62, 000/	Rs. 135, 000/	US\$ 1600/	Rs. 500/	Rs. 3000/-	Rs. 2030/-
Semester-X	Rs. 62, 000/	Rs. 135, 000/	US\$ 1600/	Rs. 500/	Nil	Rs. 2030/-
I.D. Card Fee Rs. 200 (One time) for Duplicate/ Triplicate Copy more Rs. 200/- will be charged.						
NOTE: FEE ONCE PAID WILL NOT REFUNDED						

FEE RULES:

Once fee paid shall not be refunded, if, provisional selection made in the course of DPT under any admission category i.e. District Merit/ Self-Finance/ Overseas is cancelled up to 45 days, fee which is paid by the candidate shall be refunded.

After 45 days or closing of admission process, if, a candidate leaves/ withdraws from the admission/ studies of Doctor of Physiotherapy for any reason, He/ She will submit a Pay Order/ Demand Draft of **Rs. 100, 000/- (Rupees one hundred thousand only)** payable to the Institute of Physiotherapy & Rehabilitation Sciences LUMHS Jamshoro as a penalty for wasting of precious seat.

ADVANCE INCOME/ WITHHOLDING TAX:

As per Finance Act 2013, Income Tax Ordinance, 2001, under the section 236I every educational institution is required to collect advance income tax at the rate **5%** on the amount of fee paid to an educational institution. The person responsible for preparing monthly, bimonthly or quarterly fee voucher or challan shall also charge withholding tax in case the fee exceeds two hundred thousand rupees annually. The term fee includes tuition fee and all charges received by the educational institution, by whatever name called, excluding the amount which is refundable, therefore, "Withholding Tax" shall be charged and collected from the student/(s) on educational fee exceeds two hundred thousand annually.

FREESHIP:

1. Those students of DPT who are admitted/ studied under District Merit category are eligible to apply for the free-ship and students of other admission categories i.e. Self-Finance/ Overseas will not eligible to apply for free-ship.
2. The facility of free-ship shall be on annual basis.
3. Remission of whole or half of tuition fees may be allowed by Committee not than 10% number of students.
4. Remission of fees means exemption of paying tuition fee only full or half as the case may be. The students who are granted full/ half remission or tuition fee shall be required to make full payment for all other subscription/ fund.

AFFIDAVIT

(TO BE TYPED ON STAMP PAPER OF RS. 100/=)

I. _____ S/o, D/o _____
Muslim/Non-Muslim adult R/o _____

a candidate for admission in 1st year Doctor of Physiotherapy for academic session 2020-2021 do hereby state on solemn affirmation / oath as under:

1. That, I am a holder of **P.R.C** of District _____ in Sindh _____, which was issued on the basis of Domicile of District _____ issued to me / my father / mother, and I have no other PRC / Domicile of any other District in Sindh.
2. That, if, I am allowed admission in Doctor of Physiotherapy on merit seat of District _____, or otherwise against reserved seat under _____ Self-Finance or Overseas on the basis of Domicile / PRC, I shall not seek admission in any other Public / Private Sector Medical or Dental College / University or any other Degree College / University of the Country against any seat of other District.
3. That, all documents submitted by me along with application form are genuine and correct and no false document has been submitted. If any document / information are found to be false, incorrect or otherwise I know that my admission is liable to be cancelled.
4. For wasting precious seat of District Merit, else I will not be entitled to issuance of any certificate from the Institution. That, after my Final Selection/ Provisional Admission on Merit/Self-Finance/ Overseas category in five years Degree Program of Doctor of Physiotherapy. I shall complete the Course/ Degree Program of five years containing ten (10) semesters. However, in case, I leave the Institute of Physiotherapy (IPRS) LUMHS Jamshoro before completion of the Course, I shall be liable to penalty of **Rs. 100,000/- (Rupees one Hundred Thousand / One Lac)** only payable through Pay Order / Demand Draft in favour to Institute of Physiotherapy & Rehabilitation Sciences (IPRS), LUMHS Jamshoro.
5. That, I also undertake not to involve myself in any kind of Political Activity throughout tenure in this institution as a student and incase, I am found involved in such activities, the authority of the Institute/ University shall be at liberty to expel/ rusticate me and to cancel my admission.
6. That, I also state that I have gone through all the rules, terms and conditions of the admission's, studies and declare that my priority of choice for Degree / Course is indicated in the Application Form.
7. That, whatever is stated above is true & correct to the best of my knowledge & belief.

Signature of the Deponent
C.N.I.C.NO. _____

The deponent named above is identified by me to the Commissioner for taking affidavit.

ADVOCATE

Solemnly affirmed on oath this day _____ of _____ 2021
at _____ by deponent named above who is identified to me by _____ Mr./ Ms. _____
_____ Advocate whom I know. The contents were first truly & audibly read over & explained to the deponent in _____ language who appears to have understood the same & put his / her signature in my presence.

Attestation
1st Class Magistrate

UNDERTAKING BY PARENTS / GUARDIANS**(TO BE TYPED ON STAMP PAPER OF RS. 100)**

I, _____ **Parent / Guardian of** _____ do hereby undertake and assure that my Son/ Daughter/ Sister/ Brother/ Wife/ Ward will not join any political activity directly or indirectly throughout his/ her career as student of _____ Doctor of Physiotherapy Course.

I also understand that if my Son/ Daughter/ Sister/ Brother/ Wife/ Ward found involved in any political activity prejudice to moral character, I shall have no objection to his/ her prior examination rustication from the Institute of Physiotherapy & Rehabilitation Sciences, LUMHS Jamshoro. I also undertake further that after final Selection/ Provisional Admission in Doctor of Physiotherapy Course of my Son/ Daughter/ Sister/ Brother/ Wife/ Ward at the Institute of Physiotherapy & Rehabilitation Sciences, LUMHS, he / she will not be entitled to issuance of any certificate from the Institute under the admission category of District Merit, Self-Finance and Overseas Course of Doctor of Physiotherapy. However in case my Son / Daughter / Sister / Brother / Wife / Ward leave Institute (IPRS) LUMHS Jamshoro / discontinues before completion of the Course. He / She shall be liable to penalty of **Rs.100, 000/-** (Rupees One Hundred Thousand / One Lac) only payable through pay order / Demand Draft to Institute of Physiotherapy & Rehabilitation Sciences (**IPRS**) LUMHS.

Signature of Parent / Guardian

C.N.I.C No. _____

Full Address: _____

Contact No: _____

ATTESTATION BY JUDICIAL MAGISTRATE. WITH ROUND STAMP / SEAL

COLLEGE OF PHARMACY

Mission. The mission of College of Pharmacy, Liaquat University of Medical & Health Sciences is to educate, train and empower student to grow as individual with strong open discerning mind with an international prospective preparing them to make a mark in the challenges era.

Vision. The vision of Liaquat University of Medical & Health Sciences, College of Pharmacy is to encourage students to develop critical thinking to exchange thought and ideas to develop key personal to set goals in order to realize their own unique potential. Our emphasis is to create a society of progressive thinking individual who will contribute to intellectual development of global community.



Scope of Pharmacy

a)Pharmaceutical industry:

An important career option in the Pharmacy is represented by pharmaceutical industry. Here, pharmacists are employed in manufacturing, product, development, research, quality control, quality assurance, marketing, sales and administration.

b)Hospital and other Institutional settings:

The expansion of health care needs the society to put the hospital pharmacist in a position to have direct involvement in the patient care, it also establish the roles of Drug purchases, control, supply & distribution of drugs, management functions, system development and planning.

c) Managed care Pharmacy:

Managed care is a system designed to optimize patient care through greater coordination of medical and pharmaceutical services Managed care pharmacy services are extended health delivery system services that provide the pharmaceutical care At the primary or preventive level.

d) Community/Retail Pharmacy:

This area involves the practice of pharmacy in community settings or retail outlets. Pharmacists, in the community settings are actively involved in educating patients, maintaining and monitoring drug records and providing information resource of highest caliber.

e) Other fields in Pharmacy:

Pharmacists use their basic educational background in a host of federal, state and professional positions. At the federal or provincial level, pharmacist hold post like drug inspectors, drug Controllers, Pharmacist at Drug Testing Laboratories and also as Commissioned officers in Pakistan Armed Forces. Pharmacists with interest and special talents in organizational work also guide several national professional associations. There are pharmacists with legal training who are serving as patent lawyers or as experts in pharmaceutical law.

ELIGIBILITY CRITERIA FOR THE CANDIDATES

The minimum educational qualification of the candidate for the admission to first year Doctor of Pharmacy program is:

1. Higher Secondary Certificate Examination (HSC) Pre-Medical at least 60% of marks, or any equivalent foreign examination from any other board or institution recognized by inter-board committee chairman (IBCC) Islamabad, as such with 60% of marks. Candidate obtaining less than 60% marks in HSC (Pre-Medical) or equivalent foreign examination are not eligible.
2. Candidate for admission under the categories Merit/UEAP Self Finance/Overseas must be the permanent residence of Sindh province and have domicile of respective Districts of Sindh and his / her father must be holding domicile and PRC of same district or of Sindh Province, but not out of Sindh Province.

3. Eligibility criteria for Overseas

- a) Secondary School Certificate/ O-level equivalent certificate from IBCC.
- b) Equivalence Certificate of HSC (Pre-Medical) with a minimum 60% marks, from IBCC Islamabad.
- c) Country Secondary School Certificate/ Marks Certificate of Intermediate examination level
- d) SAT-II examination score with minimum 550 marks in each of three subjects, of which two have to be Biology and Chemistry or MCAT with minimum aggregate score of 24.
- e) Valid TOEFL OR IELTS with a score of 550 OR 5.5.
- f) Candidate must be permanent residence of and have domicile of respective districts of Sindh Province and his/her father must also be holding domicile and PRC of same district or of Sindh Province, but not out of Sindh.
- g) Candidate applying under the category of overseas Pakistani should submit the proof of his/ her father/ mother/ parents working outside Pakistan duly issued from the concerned Embassy or Consulate).

ALLOCATION OF SEATS

Total number of seats to be offered for admission in Doctor of Pharmacy is 80 (Eighty). 50 Seats are reserved for the candidates on District wise merit basis, 25 seats are reserved on University Education Assistance Program (UEAP/ Self Finance and 03 Seats for Overseas Pakistani under self finance and 02 seats for Afghan nationals under HEC scholar ship.

S #.	NAME OF DISTRICT	ALLOCATION OF SEATS DISTRICT WISE		OVERSEAS	HEC SCHOLASHIP FOR AFGHAN NATIONALS SEATS	TOTAL SEATS
		MERIT	UEAP SELF FINANCE			
1.	Hyderabad	5	1	03	02	(80) Eighty Seats
2.	KhairpurMir's	4	1			
3.	Larkana	2	1			
4.	Shaheed Benazirabad (Nawabshah)	2	1			
5.	Mirpurkhas	3	1			
6.	Umerkot	1	1			
7.	Jamshoro	1	1			
8.	Badin	2	1			
9.	Dadu	2	1			
10.	Sukkur	2	1			
11.	Matiari	1	1			
12.	TandoAllahyar	1	1			
13.	Tando Muhammad Khan	1	1			
14.	Naushahro Feroze	2	1			
15.	Sanghar	4	1			
16.	Thatta	1	1			
17.	Shikarpur	2	1			
18.	Jaccobabad	2	1			
19.	Qambar&Shahdadkot	2	1			
20.	Kashmore	1	1			
21.	Ghotki	2	1			
22.	Tharparkar	2	1			
23.	Sujawal	1	1			
24.	Karachi	4	2			
Total		50	25	03	02	80
NOTE: UNIVERSITY RESERVES THE RIGHYS TO CHANGE ALLOCATED SEATS						

FEES SCHEDULE DOCTOR OF PHARMACY

FEES STRUCTURE FOR MERIT CATEGORY							
Annual	Semester System	Admission Fee	Tuition Fee	Misc. Fee	Transport Fee	Total (Per Semester)	Total (Per Year)
1st Professional	Semester-I	16,000	61,250	18,000	4,500	99,750	161,000
	Semester-II	-	61,250	-	-	61,250	
2nd Professional	Semester-III	-	61,250	18,000	4,500	83,750	145,000
	Semester-IV	-	61,250	-	-	61,250	
3rd Professional	Semester-V	-	61,250	18,000	4,500	83,750	145,000
	Semester-VI	-	61,250	-	-	61,250	
4th Professional	Semester-VII	-	61,250	18,000	4,500	83,750	145,000
	Semester-VIII	-	61,250	-	-	61,250	
5th Professional	Semester-IX	-	61,250	18,000	4,500	83,750	145,000
	Semester-X	-	61,250	-	-	61,250	

FEES STRUCTURE FOR UEAP SELF FINANCE CATEGORY					
1st Professional	Semester-I	22,000	125,000	147,000	272,000
	Semester-II	-	125,800	125,000	
2nd Professional	Semester-III	-	125,000	125,000	250,000
	Semester-IV	-	125,000	125,000	
3rd Professional	Semester-V	-	125,000	125,000	250,000
	Semester-VI	-	125,000	125,000	
4th Professional	Semester-VII	-	125,000	125,000	250,000
	Semester-VIII	-	125,000	125,000	
5th Professional	Semester-IX	-	125,000	125,000	250,000
	Semester-X	-	125,000	125,000	

Note: 5% Advanced Tax will be applicable as per Govt. Rules.

FEES STRUCTURE FOR OVERSEAS CATEGORY						
S.No.	Fees Structure	First Year	Second Year	Third Year	Fourth Year	Final Year
1.	Admission	\$500
2.	Tuition	\$4,500	\$4,500	\$4,500	\$4,500	\$4,500
TOTAL			\$5,000	\$4,500	\$4,500	\$4,500

HOSTEL FEE: Candidates are supposed to deposit hostel fees at the time of admission			
1.	Admission Fee	Per Year	Rs.2200/
2.	Room Rent Incl. Electric And Water Charges	Per Year	RS.4400/
3.	Identity Card Fee	Per Year	Rs.110/
4.	Hostel Maintenance and Repair non Govt.	Per Year	Rs.2640/
		1 st Year	Rs.9350/
		2 nd Year	Rs.9350/
TOTAL RS.18,700/			

NOTE: HOSTEL FEE RATES CAN BE REVISED AS PER UNIVERSITY RULES

RULES FOR PAYMENT OF FEE

- a. Once fees paid shall not be refunded, if, Provisional Selection in course of Pharm-D under any admission category i.e. District Merit/UEAP Self-Finance / Overseas is cancelled up to 45 days, fees which is paid by the candidate shall be refunded.
- b. Fee is subject to revision by the university at any time during the course of study and will be applicable at once for all years.
- c. Candidates selected for admission in 1year Pharm-D under any category will have to deposit fee within seven days after display of final list, failing which their names will be cancelled without any notice no claim will be entertained.
- d. The student will have to pay the prescribed fee for the remaining years at the start of each session within stipulated time period, i.e 15 days. The challan forms will be issued by the directorate of finance
- e. If any student fails to deposit fee/dues within stipulated time period shall not be eligible to appear in examination. If student appear in examination without clearing dues the controller of examination UG will be held responsible.
- f. In case student appeared in examination with the permission of the competent authority the controller of examination U.G will withheld the examination result till issuing of No Dues Certificate from Directorate of Finance.
- g. The Directorate of Finance will be responsible to collect the prescribed fee of remaining years from students, if any student fails to deposit the prescribed fee the Directorate of Finance will issue notice to the defaulter student.
- h. The Controller of Examination U.G will provide the examination record of the students to the Directorate of Finance on semester basis.
- i. The Directorate of Admission will provide the record of student to the Directorate of Finance for Issuance of notice on demand,
- j. Late payment Of (semester) will be surcharged from those students who fail to pay their prescribed fee (Merit/UEAP Self-Finance and Overseas) within due date, at the rate of Rs. 2000/- per month from Self Finance Students, Rs.1000/- per month from Merit students and US\$ 100 per month from Overseas students.
- k. 50% concession in prescribed fee shall be allowed to children of regular employees of LUMHS Jamshoro, as per syndicate Resolution No.18.12 (4/b. dated 21.02.2009.
- l. 50% concession in prescribed fee shall also be allowed to children of retired teaching faculty members of this university in accordance with the Syndicate Resolution No.Syn-18.2(4/r- dated 21.02.2009.
- m. In case of misplace /loss of identity card RS.200 will be charged from student for re issuance of identity card.
- n. Convocation fee of Rs. 2000/- will be charged from students at the time of submission final year examination (Pharm-D 9th semester).
- o. Degree fee of Rs.2000/- will be charged from students at the time of submission of Examination form of final year (10th semester Pharm.-D.)
- p. After 45 days or closing the admission process, if, a candidate leaves/ withdraws before completing the Pharm-D Course for any reason, He/ She will submit a Pay Order/ Demand Draft of **Rs. 2,50, 000/-** (Rupees Two Hundred Fifty Thousand) only payable to College of Pharmacy (**COP**) LUMHS Jamshoro as a penalty for wasting a precious seat.

ADVANCE INCOME/ WITHHOLDING TAX

As per Finance Act 2013, Income Tax Ordinance, 2001, under the section 2361 every educational institution is required to collect advance income tax at the rate 5% on the amount of fee paid to an educational institution. The person responsible for preparing monthly, bimonthly or quarterly fee voucher or challan shall also charge withholding tax in case the fee exceeds two hundred thousand rupees annually. The term fee includes tuition fee and all charges received by the educational institution, by whatever name called, excluding the amount which is refundable, therefore, "Withholding Tax" shall be charged and collected from the student/(s) on educational fee exceeds two hundred thousand annually.

FREE-SHIP FOR STUDENTS DOCTOR OF PHARMACY

- 1) Remission of tuition fee shall be considered for the students who are admitted only on the merit basis.
- 2) Remission of the whole or half of the tuition fees may be allowed by Free-ship Committee not exceeding than 10% number of students.
- 3) Remission of fees means exemption of paying tuition fee only full or half as the case may be. The students who are granted full/ half remission of tuition fee shall be required to make full payment for all other subscription/ fund.
- 4) The facility of Free-ship shall be on annual basis.
- 5) Application for remission shall be submitted by the students on the date to be fixed by free-ship committee. The application should be accompanied with Income certificate form D.C.Os or Mukhtiarkar (Revenue) of the concerned districts/taluka to which students belong.
- 6) Following students are eligible for free-ship.
 - 1) Poverty cum merit basis.
 - 2) Brother and sister basis or two brothers or two sisters in the University. (one should pay full fees and other is eligible for full free-ship of tuition fees.)

ACADEMIC PROGRAM

a) SEMESTER SYSTEM

Integrated teaching and semester system has been introduced at the University. The semester system is a unique system in which education is imparted through a process where student's performance and progress is assessed through different types of tests / assignments; they earn degree on their cumulative performance throughout the program of the study.

b) ATTENDANCE OF THE STUDENTS:

- a) The University is determined to improve its teaching standards.
- b) The record of attendance is essential to determine eligibility of students for her/ his appearing the examination.
- c) Seventy five percent (75%) attendance is required to be eligible in the semester examination. However, 10% waiver (5% Waiver by Vice-Chancellor and 5% waiver by waiver committee) can be given on medical grounds or any other valid reason acceptable to the Vice-Chancellor and waiver committee.
- d) The candidate having attendance less than 65% shall not be eligible to appear in the semester examination and will be considered as fail in that particular semester but he/she will be allowed to move in the next semester as mentioned in the "Organization of Semester System".
- e) However, the candidate having attendance less than 40% shall not be eligible to appear in the re-sits semester examination. He / She shall appear with next junior batch after fulfilling the required attendance in that particular semester.

ORGANIZATION OF SEMESTER SYSTEM

1. For award of degree, students must pass all the courses taught during five years education Pharm-D with minimum CGPA 2.0
2. Promotion from one academic year to next higher academic year
3. Policy of conducting re-sit (repeat) examination
4. (Re-sit Examination will be conduct in the end of academic year).

FIRST AND SECOND SEMESTER EXAMINATIONS (1ST PROFESSIONAL)

First semester students who after appearing in first semester (Regular) examination, either declared pass or fail will be allowed promotion to second semester.

Upon promotion to second semester, students who have either passed or fail in first semester examination both will be allowed to appear in second semester examination, if the cases for third semester are commenced, students of second semester (either passed or failed in first semester) will be allowed to attend the classes of third semester. After announcement of second semester examination result, students of first and second semester will fall in the following groups.

- a) Passed first and second semester
- b) Passed second semester but failed in first semester
- c) Passed first semester but failed in second semester
- d) Failed in both semester

Students under category b, c, and d will be allowed re-sit examination of first and second semester simultaneously while they remain under study process of third semester.

After announcement of re-sit examination result of both first and second semester, the students will be bifurcated into the following groups.

- 1) Students who passed first and second semester examinations completely, they will continue in third semester.
- 2) Students who failed in first or second semester or both examinations shall be reverted i-e termed back to first semester or in second or both junior batch.

Above group of students of pharm-D after term back will repeat the failed subject(s) of semester I or II or both with junior batch.

Important Note:

Any students, who fail of or pass the First Professional Exam in five chances availed or un-availed, shall cease to pursue further Pharmacy Education.

THIRD AND FOURTH SEMESTER EXAMINATIONS (2ND PROFESSIONAL)

Third semester students who after appearing in third semester (Regular) examination, either declared pass or fail will be allowed promotion to Fourth semester.

Upon promotion to fourth semester, students who have either passed or failed in third semester examination both will be allowed to appear in fourth semester examination, pending result of fourth semester examination, if the cases for fifth semester are commenced, students of fourth semester (either passed or failed in third semester) will be allowed to attend the classes of Fifth semester.

After announcement of Fourth semester examination result, students of Third and Fourth semester will fall in the following groups.

- a) Passed Third and Fourth semester
- b) Passed Fourth semester but failed in Third semester
- c) Passed Third semester but failed in Fourth semester
- d) Failed in both semester

Students under category b, c, and d will be allowed re-sit examination of Third and Fourth semester simultaneously while they remain under study process of Fifth semester.

After announcement of re-sit examination result of both Third and Fourth semester, the students will be bifurcated into the following groups.

- 1) Students who passed Third and Fourth semester examinations completely, they will continue in Fifth semester.
- 2) Students who failed in Third or in Fourth semester or both examinations shall be reverted i-e termed back to Third semester or in Fourth or both with junior batch.

Above group of students of Pharm-D after termed back will repeat the failure subjects of Third and Fourth or both with junior batch.

FIFTH AND SIXTH SEMESTER EXAMINATIONS (3RD PROFESSIONAL)

Fifth semester students who after appearing in Fifth semester (Regular) examination, either declared pass or fail will be allowed promotion to Sixth semester.

Upon promotion to Sixth semester, students who have either passed or failed in Fifth semester examination both will be allowed to appear in Sixth semester examination, pending result of Sixth semester examination, if the classes for Seven semester are commenced, students of Sixth semester (either passed or failed in Fifth semester) will be allowed to attend the classes of Seventh semester.

After announcement of Sixth semester examination result, students of Fifth and Sixth semester will fall in the following groups.

- a) Passed Fifth and Sixth semester
- b) Passed Sixth semester but failed in Fifth semester
- c) Passed Fifth semester but failed in Sixth semester
- d) Failed in both semester

Students under category b, c, and d will be allowed re-sit examination of Fifth and Sixth semester simultaneously while they remain under study process of Seventh semester.

After announcement of re-sit examination result of both Fifth and Sixth semester, the students will be bifurcated into the following groups.

- 1) Students who passed Fifth and Sixth semester examinations completely, they will continue in Seventh semester.
- 2) Students who failed in Fifth or in Sixth semester or both examinations shall be reverted i-e termed back to Fifth semester or in Sixth or both with junior batch.

Above group of students of Pharm-D after termed back will repeat the failure subjects of Fifth and Sixth or both with junior batch.

SEVENTH AND EIGHTH SEMESTER EXAMINATIONS (4TH PROFESSIONAL)

Seventh semester students who after appearing in Seventh semester (Regular) examination, either declared pass or fail will be allowed promotion to Eighth semester.

Upon promotion to Eighth semester, students who have either passed or failed in Seventh semester examination both will be allowed to appear in Eighth semester examination, pending result of Eighth semester examination, if the classes for Ninth semester are commenced, students of Eighth semester.

After announcement of Eighth semester examination result, students of Seventh and Eighth semester will fall in the following groups.

- a) Passed Seven and Eighth semester
- b) Passed Eighth semester but failed in Seventh semester
- c) Passed Seventh semester but failed in Eighth semester
- d) Failed in both semester

Students under category b, c, and d will be allowed re-sit examination of Seventh and Eighth semester simultaneously while they remain under study process of Ninth semester.

After announcement of re-sit examination result of both Seventh and Eighth semester, the students will be bifurcated into the following groups.

- 1) Students who passed Seventh and Eighth semester examinations completely, they will continue in Ninth semester.
- 2) Students who failed in Seventh or in Eighth semester or both examinations shall be reverted i-e termed back to Seventh semester or in Eighth or both with junior batch.

Above group of students of Pharm-D after termed back will repeat the failure subjects of Seventh and Eighth or both with junior batch.

NINTH AND TENTH SEMESTER EXAMINATIONS (5TH PROFESSIONAL)

Ninth semester students who after appearing in Ninth semester (Regular) examination, either declared pass or fail will be allowed promotion to Tenth semester.

Upon promotion to Tenth semester, students who have either passed or failed in Ninth semester examination both will be allowed to appear in Tenth semester examination.

After announcement of Tenth semester examination result, students of Ninth and Tenth semester will fall in the following groups.

- a) Passed Ninth and Tenth semester
- b) Passed Tenth semester but failed in Ninth semester
- c) Passed Ninth semester but failed in Tenth semester
- d) Failed in both semester

Students under category a will be declared to have passed Pharm-D examination completely and shall be awarded degree.

Students under category b, c, and d will be allowed re-sit examination of Ninth and Tenth semester simultaneously while they remain under study process of Ninth semester.

After announcement of re-sit examination result of both Ninth and Tenth semester, the students will be bifurcated into the following groups.

- 1) Students who passed Ninth and Tenth semester examinations completely, they will be Declared to have passed Pharm-D examination and shall be awarded degree.
- 2) However in case of failures in either Ninth of tenth semester they will be allowed to appear in re-sit examination will continue to repeat failure subjects with junior batch till the completely pass Pharm-D examination.

Curriculum

1ST PROFESSIONAL PHARM-D

1 ST Semester			2 ND Semester		
Course #	Subject	Cr. Hr.	Course.#	Subject	Cr. Hr.
300	English-A (Functional English)	2	301	English-B (Communication & writhing skills)	4
Pharm-310	Pharmaceutics-IA (physical pharmacy) Th.	3	Pharm- 320	Pharmaceutics-IB (physical pharmacy) Th.	3
Pharm- 311	Pharmaceutics-IA (physical pharmacy) Lab.	1	Pharm- 321	Pharmaceutics-IB (physical pharmacy) Lab.	1
Pharm- 312	Pharmaceutical Chemistry-IA (organic) Th.	3	Pharm- 322	Pharmaceutical Chemistry-IB (organic) Th	3
Pharm- 313	Pharmaceutical Chemistry-IA (organic)Lab.	1	Pharm- 323	Pharmaceutical Chemistry-IB (organic) Lab	1
Pharm- 314	Pharmaceutical Chemistry-IIA (Biochemistry) Th.	3	Pharm-324	Pharmaceutical Chemistry-IIB (Biochemistry) Th.	3
Pharm- 315	Pharmaceutical Chemistry-IIA (Biochemistry) Lab.	1	Pharm- 325	Pharmaceutical Chemistry-IIB (Biochemistry) Lab.	1
Pharm- 316	Physiology-A Th.	3	Pharm- 326	Physiology-B Th.	3
Pharm- 317	Physiology-A Lab	1	Pharm-327	Physiology-B Lab.	1
Pharm- 318	Anatomy & Histology Th.	3			
Pharm- 319	Anatomy & Histology Lab.	1			
	Total Cr. Hr.	22	Total Cr. Hr.	Total Cr. Hr.	20

Curriculum

2ND PROFESSIONAL PHARM-D

1 ST Semester			2 ND Semester		
Course #	Subject	Cr. Hr.	Course.#	Subject	Cr. Hr.
IS 402	Islamic Studies	3	PS 403	Pakistan Studies	2
Pharm- 410	Pharmaceutics-IIA (Dosage from sciences) Th.	3	Pharm- 420	Pharmaceutics-IIB (Dosage from sciences) Th	3
Pharm- 411	Pharmaceutics-IIA (Dosage from sciences) Lab.	1	Pharm- 421	Pharmaceutics-IIB (Dosage from sciences) Lab.	1
Pharm- 412	Pharmaceutics-IIIA (Pharmaceutical Microbiology and Immunology) Th.	3	Pharm- 422	Pharmaceutics-IIIB (Pharmaceutical Microbiology and Immunology) Th.	3
Pharm- 413	Pharmaceutics-IIIA (Pharmaceutical Microbiology and Immunology) Lab.	1	Pharm- 323	Pharmaceutics-IIIB (Pharmaceutical Microbiology and Immunology) Lab.	1
Pharm- 414	Pharmacology and Therapeutics-IA Th.	3	Pharm- 424	Pharmacology and Therapeutics-IB Th.	3
Pharm- 415	Pharmacology and Therapeutics-IA Lab.	1	Pharm- 425	Pharmacology and Therapeutics-IB Lab.	1
Pharm- 416	Pharmacognosy-IA (Basic) Th.	3	Pharm- 426	Pharmacognosy-IB (Basic) Th.	3
Pharm- 417	Pharmacognosy-IA (Basic) Lab	1	Pharm- 327	Pharmacognosy-IB(Basic) Lab.	1
Pharm- 418	Pharmacy Practice-IA (Pharmaceutical Mathematics)	3	Pharm- 428	Pharmacy Practice-IB (Bio-Statistics)	3
	Total Cr. Hr.	22	Total Cr. Hr.	Total Cr. Hr.	21

Curriculum

3RD PROFESSIONAL PHARM-D

1 ST Semester			2 ND Semester		
Course #	Subject	Cr. Hr.	Course.#	Subject	Cr. Hr.
Pharm- 510	Pharmacy Practice-IIA (Dispensing Pharmacy) Th.	3	Pharm- 520	Pharmacy Practice-IIB (Community Social and Administrative Pharmacy) Th.	3
Pharm- 511	Pharmacy Practice-IIA (Dispensing Pharmacy) Lab.	1	Pharm- 522	Pharmaceutical Chemistry-IIIB (Pharmaceutical Analysis) Th.	3
Pharm- 512	Pharmaceutical Chemistry- IIIA (Pharmaceutical Analysis) Th.	3	Pharm- 523	Pharmaceutical Chemistry-IIIB (Pharmaceutical Analysis) Lab.	1
Pharm- 513	Pharmaceutical Chemistry- IIIA (Pharmaceutical Analysis) Lab.	1	Pharm- 524	Pharmacology and Therapeutics-IIB Th.	3
Pharm- 514	Pharmacology and Therapeutics-IIA Th.	3	Pharm- 525	Pharmacology and Therapeutics-IIB Lab.	1
Pharm- 515	Pharmacology and Therapeutics-IIA Lab.	1	Pharm- 526	Pharmacognosy-IIB (Advanced) Th.	3
Pharm- 516	Pharmacognosy-IIA (Advanced) Th.	3	Pharm- 527	Pharmacognosy-IIB (Advanced) Lab.	1
Pharm- 517	Pharmacognosy-IIA (Advanced) Lab	1	Pharm- 528	Pharmacy Practice-III (Computer and its applications in Pharmacy) TH.	3
Pharm- 518	Pathology Th.	3	Pharm- 529	Pharmacy Practice-III (Computer and its applications in Pharmacy) Lab.	1
Pharm- 519	Pathology Lab.	1			
	Total Cr. Hr.	20	Total Cr. Hr.	Total Cr. Hr.	19

Curriculum

4TH PROFESSIONAL PHARM-D

1 ST Semester			2 ND Semester		
Course #	Subject	Cr. Hr.	Course.#	Subject	Cr. Hr.
Pharm- 610	Pharmacy Practice-IVA (Hospital Pharmacy) Th.	3	Pharm- 620	Pharmacy Practice-IVB (Hospital Pharmacy) Th.	3
Pharm- 612	Pharmacy Practice-VA (Clinical Pharmacy) Th.	3	Pharm- 622	Pharmacy Practice-VB (Clinical Pharmacy) Th.	3
Pharm- 613	Pharmacy Practice-VA (Clinical Pharmacy) Lab.	1	Pharm- 623	Pharmacy Practice-VB (Clinical Pharmacy) Lab.	1
Pharm- 614	Pharmaceutics -IVA (Industrial Pharmacy) Th.	3	Pharm- 624	Pharmaceutics -IVB (Industrial Pharmacy) Th.	3
Pharm- 615	Pharmaceutics- IVA (Industrial Pharmacy) Lab.	1	Pharm- 625	Pharmaceutics- IVB (Industrial Pharmacy) Lab.	1
Pharm- 616	Pharmaceutics - VA (Bio Pharmaceutics & Pharmacokinetics) Th.	3	Pharm- 626	Pharmaceutics - VB (Bio Pharmaceutics & Pharmacokinetics) Th.	3
Pharm- 617	Pharmaceutics - VA (Bio Pharmaceutics & Pharmacokinetics) Lab.	1	Pharm- 627	Pharmaceutics - VB (Bio Pharmaceutics & Pharmacokinetics) Lab.	1
Pharm- 618	Pharmaceutics -VIA (Pharmaceutical Quality Management) Th.	3	Pharm- 628	Pharmaceutics -VIB (Pharmaceutical Quality Management) Th.	3
Pharm- 619	Pharmaceutics -VIA (Pharmaceutical Quality Management) Lab.	1	Pharm- 629	Pharmaceutics -VIB (Pharmaceutical Quality Management) Lab	1
	Total Cr. Hr.	19	Total Cr. Hr.	Total Cr. Hr.	19

Curriculum













5TH PROFESSIONAL PHARM-D

1 ST Semester			2 ND Semester		
Course #	Subject	Cr. Hr.	Course.#	Subject	Cr. Hr.
Pharm- 710	Pharmaceutics-VIIA (Pharmaceutical Technology) Th.	3	Pharm- 720	Pharmaceutics-VIIB (Pharmaceutical Technology) Th.	3
Pharm- 711	Pharmaceutics-VIIA (Pharmaceutical Technology) Lab.	1	Pharm- 721	Pharmaceutics-VIIB (Pharmaceutical Technology) Lab.	1
Pharm- 712	Pharmacy Practice-VIA Clinical Pharmacy- II (Advanced) Th.	3	Pharm- 722	Pharmacy Practice-VIB Clinical Pharmacy- II (Advanced) Th.	3
Pharm- 713	Pharmacy Practice-VIA Clinical Pharmacy- II (Advanced) Lab.	1	Pharm- 723	Pharmacy Practice-VIB Clinical Pharmacy- II (Advanced) Lab.	1
Pharm- 714	Pharmacy Practice-VIIA Forensic Pharmacy Th.	3	Pharm- 724	Pharmacy Practice-VIIB Forensic Pharmacy Th.	3
Pharm- 716	Pharmacy Practice-VIIIA Pharmaceutical Management & Marketing) Th.	3	Pharm- 726	Pharmacy Practice-VIIIB Pharmaceutical Management & Marketing) Th.	3
Pharm- 718	Pharmaceutical Chemistry-IVA (Medicinal Chemistry) Th.	3	Pharm- 728	Pharmaceutical Chemistry-IVA (Medicinal Chemistry) Th.	3
Pharm- 719	Pharmaceutical Chemistry-IVA (Medicinal Chemistry)Lab.	1	Pharm- 729	Pharmaceutical Chemistry-IVA (Medicinal Chemistry)Lab.	1
Total Cr. Hr.		18	Total Cr. Hr.	Total Cr. Hr.	18

Pharm-D Five Year Credit Hours Summary

Pharm-D Professional	1 ST Semester Cr. Hr.	2 ND Semester Cr. Hr.	Total Cr. Hr.
1 ST	22	20	42
2 ND	22	21	43
3 RD	20	19	39
4 TH	19	19	39
5 TH	18	18	36
Total Credit Hours	101	97	198

TEACHING FACULTY COP

<u>NAME</u>	<u>PICTURE</u>	<u>NAME</u>	<u>PICTURE</u>
<p>Prof. Dr. Naheed Memon Ph. D Pharmaceutics Principal College of Pharmacy</p>		<p>Dr. Maira Ahsan Memon Pharm.D(M.Phil) Lecturer</p>	
<p>Dr. Ahsan Ali Memon M.Phil Pharmacology MBA-HR, (Ph.D) Assistant Professor</p>		<p>Dr. Asif Ali Soomro Pharm-D MSPH (Ph.D) Lecurer</p>	
<p>Miss Raheela Afzal Shaikh M.Phil.Pharmaceutics MBA Marketing (Ph.D) Assistant Professor</p>		<p>Dr. Hatesh Kumar Pharm.D (M.Phil) Lecturer</p>	
<p>Dr. Sadaf Hayat Laghari M.PhilPharamaceutics Assistant Professor</p>		<p>Dr. Syed Shafquat Ali Shah M.phil Pharmaceutics (Ph.D) Lecturer</p>	
<p>Dr. Izhaar Mirani M.Phil Pharmacology Assistant Professor</p>		<p>Dr. KomalZaman Pharm.D (M.Phil) Lecuturer</p>	
<p>Dr. Syed Zohaib Hussain Ph.D Pharmaceutics Assistant Professor</p>		<p>Dr. Syed Mubashir Shah Pharm.DM.Phil (Ph.D) Lecturer</p>	

AFFIDAVIT

(TO BE TYPED ON STAMP PAPER OF RS. 100/=)

I, _____ S/o, D/o _____
 Muslim/Non-Muslim adult R/o _____

a candidate for admission in 1st year Doctor of Pharmacy (Pharm-D) for academic session 2020-2021 do hereby state on solemn affirmation / oath as under:

8. That, I am a holder of **P.R.C** of District _____ in Sindh _____, which was issued on the basis of Domicile of District _____ issued to me / my father / mother, and I have no other PRC / Domicile of any other District in Sindh.
9. That, if, I am allowed admission in Pharmacy (Pharm-D) on merit seat of District _____, or otherwise against reserved seat under _____ Self-Finance or Overseas on the basis of Domicile / PRC, I shall not seek admission in any other Public / Private Sector Medical or Dental College / University or any other Degree College / University of the Country against any seat of other District.
10. That, all documents submitted by me along with application form are genuine and correct and no false document has been submitted. If any document / information are found to be false, incorrect or otherwise I know that my admission is liable to be cancelled.
11. For wasting precious seat of District Merit, else I will not be entitled to issuance of any certificate from the Institution. That, after my Final Selection/ Provisional Admission on Merit/ Self-Finance/ Overseas category in five years Degree Program of Pharmacy (Pharm-D) I shall complete the Course/ Degree Program of five years containing ten (10) semesters. However, in case, I leave the College of Pharmacy LUMHS Jamshoro before completion of the Course, I shall be liable to penalty of **Rs. 100,000/- (Rupees one Hundred Thousand / One Lac)** only payable through Pay Order / Demand Draft in favour to College of Pharmacy, LUMHS Jamshoro.
12. That, I also undertake not to involve myself in any kind of Political Activity throughout tenure in this institution as a student and incase, I am found involved in such activities, the authority of the Institute/ University shall be at liberty to expel/ rusticate me and to cancel my admission.
13. That, I also state that I have gone through all the rules, terms and conditions of the admission's, studies and declare that my priority of choice for Degree / Course is indicated in the Application Form.
14. That, whatever is stated above is true & correct to the best of my knowledge & belief.

Signature of the Deponent
C.N.I.C.NO. _____

The deponent named above is identified by me to the Commissioner for taking affidavit.

ADVOCATE

Solemnly affirmed on oath this day _____ of _____ 2021
 at _____ by deponent named above who is identified to me by _____ Mr./ Ms. _____
 _____ Advocate whom I know. The contents were first truly & audibly read over & explained to the deponent in _____ language who appears to have understood the same & put his / her signature in my presence.

Attestation _____
1st Class Magistrate

UNDERTAKING BY PARENTS / GUARDIANS

(TO BE TYPED ON STAMP PAPER OF RS. 100)

I, _____ **Parent / Guardian of** _____ do hereby undertake and assure that my Son/ Daughter/ Sister/ Brother/ Wife/ Ward will not join any political activity directly or indirectly throughout his/ her career as student of Doctor of Pharmacy (Pharm-D) Course.

I also understand that if my Son/ Daughter/ Sister/ Brother/ Wife/ Ward found involved in any political activity prejudice to moral character, I shall have no objection to his/ her prior examination rustication from the College of Pharmacy, LUMHS Jamshoro. I also undertake further that after final Selection/ Provisional Admission in Doctor of Pharmacy (Pharm-D) Course of my Son/ Daughter/ Sister/ Brother/ Wife/ Ward at the College of Pharmacy, LUMHS, he / she will not be entitled to issuance of any certificate from the Institute under the admission category of District Merit, Self-Finance and Overseas Course of Doctor of Pharmacy (Pharm-D). However in case my Son / Daughter / Sister / Brother / Wife / Ward leave College of Pharmacy LUMHS Jamshoro / discontinues before completion of the Course. He / She shall be liable to penalty of **Rs. 100, 000/-** (Rupees One Hundred Thousand / One Lac) only payable through pay order / Demand Draft to College of Pharmacy LUMHS.

Signature of Parent / Guardian

C.N.I.C No. _____

Full Address: _____

Contact No: _____

PEOPLES NURSING SCHOOL



ADMINISTRATION COMMITTEE

Prof. Dr. Bikha Ram Devrajani

Vice Chancellor / Chairman

Liaquat University

of Medical & Health Sciences, Jamshoro

Member

Pro Vice Chancellor

LUMHS, Jamshoro

Dean

Faculty of Community Medicine & Public Health Sciences

LUMHS, Jamshoro

Director Academics

LUMHS, Jamshoro

Registrar

LUMHS, Jamshoro

Director Admission

LUMHS, Jamshoro

Director Student Affairs

LUMHS, Jamshoro

Director

People's Nursing School

LUMHS, Jamshoro

FACULTY PEOPLE'S NURSING SCHOOL

Ms. Parveen Akhtar
MPH
Director Nursing

Ms. Alams Ghaffar MS Nursing Associate Professor, Peoples Nursing School, LUMHS, Jamshoro	Ms. Rubina Marggret Dean BS Nursing Senior Lecturer Peoples Nursing School, LUMHS, Jamshoro
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Ms. Musarat Fatima MPH, MS Nursing Assistant Professor / Deputy Director Student Affair (Female), Peoples Nursing School, LUMHS, Jamshoro	Mr. Muhammad Bakhsh MA Pak. Studies Lecturer Peoples Nursing School, LUMHS, Jamshoro
--	--

Ms. Hussan Bano Channar MS Nursing Assistant Professor Peoples Nursing School, LUMHS, Jamshoro	Ms. Almas Khan M A English Lecturer Peoples Nursing School, LUMHS, Jamshoro
--	---

Mr. Amanullah Rind BS Nursing Senior Lecturer / Deputy Director Student Affair (Male), Peoples Nursing School, LUMHS, Jamshoro	Mr. Manzoor Ali MA Sociology Lecturer Peoples Nursing School, LUMHS, Jamshoro
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Ms. Victoria Samar
MS Nursing
Senior Lecturer
Peoples Nursing School,
LUMHS, Jamshoro

PEOPLE'S NURSING SCHOOL LUMHS, JAMSHORO

INTRODUCTION

The people's Nursing School, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCES, JAMSHORO (LUMHS) is the first ever public sector Nursing School in Pakistan started Four Years BS Nursing Generic Degree Program to provide quality Nursing Education to deserving students. It is fully equipped with all necessary equipment and furniture according to the need of modern nursing profession.

MISSION STATEMENT AND VISION

To provide quality education to students, to groom their personality and teach them sense of responsibility, confidence, commitment and dedication toward their profession, community and society at national as well as at global level to provide better health care to the community.

OBJECTIVES:

- To prepare highly qualified nurses to meet the future challenges to provide the highest quality nursing care.
- To provide leadership in nursing education, administration and research.
- To prepare nursing human resources to pursue higher education at accredited universities throughout the world.

ACADEMIC PROGRAM

People's Nursing School, LUMHS, Jamshoro - Sindh PAKISTAN, offers a four years course of study which leads to BS Nursing Degree.

SEMESTER SYSTEM

Integrated teaching and semester system has been introduced at the University. The semester system is a unique system in which education is imparted through a process where student's performance and progress is assessed through different types of tests / assignments; they earn degree on their cumulative performance throughout the program of the study.

REGISTRATION OF PAKISTAN NURSING COUNCIL

As per Pakistan Nursing Council, Islamabad Rules & Regulations.

GENERIC BSN (04 YEARS DEGREE PROGRAM)

- Qualification : Matric Science (Physics, Chemistry & Biology as compulsory subjects) & FSc (Pre-Medical) with 50% marks minimum
- Gender Ration : Open Merit

COURSE OUTLINES

FIRST YEAR Semester-I			Credit Hours	Credit Hours		Total Credit Hours
Sr. No.	Course Code	Course Name	Theory	Clinical	Skills / Lab	
1	BSNG 01-1-1	Fundamental of Nursing -I	2	---	2	4
2	BSNG 02-1-1	Microbiology	3	---	---	3
3	BSNG 03-1-1	Anatomy &Physiology- I	2	---	1	3
4	BSNG 04-1-1	Biochemistry for Nurses	3	---	---	3
5	BSNG 05-1-1	English-I (Functional)	2	---	---	2
6	BSNG 06-1-1	Computer Skills	---	---	1	1
TOTAL Credit Hours			12	--	4	16

FIRST YEAR Semester-II			Credit Hours	Credit Hours		Total Credit Hours
Sr. No.	Course Code	Course Name	Theory	Clinical	Skills / Lab	
1	BSNG 01-1-2	Fundamental of Nursing-II	2	1	1	4
2	BSNG 03-1-2	Anatomy &Physiology-II	2	---	1	3
3	BSNG 07-1-2	Community Health Nursing-I	2	1	---	3
4	BSNG 08-1-2	Applied Nutrition	1	---	---	1
5	BSNG 05-1-2	English-II (Communication Skills)	2	---	---	2
6	BSNG 09-1-2	Islamiyat	2	---	---	2
7	BSNG 10-1-2	Pakistan Studies	2	---	---	2
TOTAL Credit Hours			13	2	2	17

SECOND YEAR Semester-III			Credit Hours	Credit Hours		Total Credit Hours
Sr. No.	Course Code	Course Name	Theory	Clinical	Skills / Lab	
1	BSNG 11-2-3	Adult Health Nursing-I	4	3	1	8
	BSNG 12-2-3	Pathophysiology-I	2	---	---	2
3	BSNG 13-2-3	Health Assessment-I	1	---	1	2
4	BSNG 14-2-3	Pharmacology- I	2	---	---	2
5	BSNG 15-2-3	Mathematics	1	---	---	1
6	BSNG 05-2-3	English-III	2	---	---	2
TOTAL Credit Hours			12	3	2	17

SECOND YEAR Semester-IV			Credit Hours	Credit Hours		Total Credit Hours
Sr. No.	Course Code	Course Name	Theory	Clinical	Skills / Lab	
1	BSNG 11-2-4	Adult Health Nursing-II	4	3	1	8
2	BSNG 12-2-4	Pathophysiology-II	3	---	---	3
3	BSNG 13-2-4	Health Assessment-II	1	---	1	2
4	BSNG 14-2-4	Pharmacology-II	2	---	---	2
5	BSNG 16-2-4	Developmental Psychology	2	---	---	2
6	BSNG 05-2-4	English-IV	2	---	---	2
7	BSNG 17-2-4	Nursing Ethics	1	---	---	1
TOTAL Credit Hours			15	3	2	20

THIRD YEAR Semester-V			Credit Hours	Credit Hours		Total Credit Hours
Sr. No.	Course Code	Course Name	Theory	Clinical	Skills / Lab	
1	BSNG 18-3-5	Pediatric Health Nursing	3	3	1	7
2	BSNG 07-3-5	Community Health Nursing-II	2.5	2.5	1	6
3	BSNG 19-3-5	Teaching Learning Principles & Practices	3	---	---	3
4	BSNG 05-3-5	English-V	2	---	---	2
TOTAL Credit Hours			10.5	5.5	2	18

THIRD YEAR Semester-VI			Credit Hours	Credit Hours		Total Credit Hours
Sr. No.	Course Code	Course Name	Theory	Clinical	Skills / Lab	
1	BSNG 20-3-6	Mental Health Nursing	3	3	---	6
2	BSNG 21-3-6	Introduction to Biostatistics	2.5	---	0.5	3
3	BSNG 22-3-6	Behavioral Psychology	3	---	---	3
4	BSNG 23-3-6	Epidemiology	2	---	---	2
5	BSNG 05-3-6	English-VI (Academic Writing)	2	---	---	2
6	BSNG 24-3-6	Culture, Health & Society	2	---	---	2
TOTAL Credit Hours			14.5	3	0.5	18

FOURTH YEAR Semester-VII			Credit Hours	Credit Hours		Total Credit Hours
Sr. No.	Course Code	Course Name	Theory	Clinical	Skills / Lab	
1	BSNG 25-4-7	Critical Nursing Care	2.5	4	0.5	7
2	BSNG 26-4-7	Introduction to Nursing Theories	2	---	---	2
3	BSNG 27-4-7	Leadership & Management in Nursing	2	1	---	3
4	BSNG 28-4-7	Nursing Research	3	---	---	3
5	BSNG 05-4-7	English-VII (Professional Writing)	2	---	---	2
TOTAL Credit Hours			12.5	4	0.5	17

FOURTH YEAR Semester-VIII			Credit Hours	Credit Hours		Total Credit Hours
Sr. No.	Course Code	Course Name	Theory	Clinical	Tutorial	
1	BSNG 07-4-8	Community Health Nursing-III	2	3	---	5
2	BSNG 29-4-8	Nursing Seminars / Role Transition	2	---	---	2
3	BSNG 30-4-8	Clinical Practicum	---	4	1	5
4	BSNG 05-4-8	English-VIII (Writing for Research Report)	2	---	---	2
TOTAL Credit Hours			6	7	1	14

TOTAL CREDIT HOURS (4 YEARS PROGRAM)	137:00
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ALLOCATION OF SEATS

Number of seats 70

SINDH PROVINCE		OTHER PROVINCE	
CATEGORY		CATEGORY	
Merit	Self-Finance	Province	Self-Finance
50	Sindh 10	Punjab	4
		Khyber Pakhtunkhwa	2
		Baluchistan	1
		Azad Jammu & Kashmir	1
		FATA	1
		FANA	1
TOTAL	60	TOTAL	10

NOTE:

If any seat of **MERIT** or **SELF FINANCE** or **OTHER PROVINCE** lying vacant from any district of Sindh, shall be filled from *Upper General Merit Waiting Pool* from all districts of Province Sindh.

UNIFORM

- a) White apron with maroon color pippin in campus
- b) Pakistan Nursing Council's prescribed Uniforms during the clinical practice in the wards

GIRLS

White shirt	White Shalwar
White Dopata	White Apron
Black Shoes	

BOYS

White Shirt	white Paint
White Apron	Black Shoes

**SINDH PROVINCE
DISTRICT OPEN MERIT QUOTA
TOTAL 50 SEATS**

Sr. No.	District Quota	Open Merit
1	Badin	2
2	Dadu	3
3	Ghotki	2
4	Hyderabad	4
5	Jacobabad	2
6	Jamshoro	3
7	Karachi	3
8	Kashmor	2
9	Khairpur Mirs	2
10	Larkana	2
11	Matiari	1
12	Mirpurkhas	2
13	Naushahro Feroz	2
14	Qambar @ Shahdadkot	2
15	Sanghar	3
16	Shaheed Benazirabad	2
17	Shikarpur	2
18	Sijawal	1
19	Sukkur	2
20	Tando Allah Yar	1
21	Tando Muhammad Khan	1
22	Tharparkar	2
23	Thatta	2
24	Umarkot	2
TOTAL		50

FEE STRUCTURE**BS Nursing Degree Program.****MERIT**

Fees Structure (Merit)	YEAR I	YEAR II	YEAR III	YEAR IV
Admission Fees	Rs. 16,500	-	-	-
PNC Enrollment Fees	Rs. 2,000	-	-	-
Tuition Fees	Rs. 6,600	Rs. 6,600	Rs. 6,600	Rs. 6,600
Transport Fees	Rs. 5,000	Rs. 5,000	Rs. 5,000	Rs. 5,000
Misc. Fees	Rs. 8,250	Rs. 8,250	Rs. 8,250	Rs. 8,250
TOTAL	Rs. 38,350	Rs. 19,850	Rs. 19,850	Rs. 19,850
			GRAND TOTAL	Rs. 97,900/

SELF FINANCE

Fees Structure (S-F)	YEAR I	YEAR II	YEAR III	YEAR IV
Admission Fees	Rs. 66,000	-	-	-
PNC Enrollment Fees	Rs. 2,000	-	-	-
Tuition Fees	Rs. 13,200	Rs. 13,200	Rs. 13,200	Rs. 13,200
Transport Fees	Rs. 5,000	Rs. 5,000	Rs. 5,000	Rs. 5,000
Misc. Fees	Rs. 16,280	Rs. 16,280	Rs. 16,280	Rs. 16,280
TOTAL	Rs. 102,480/	Rs. 34,480/	Rs. 34,480/	Rs. 34,480/
			GRAND TOTAL	Rs. 205,920/

PROCEDURE POLICY / RULES OF ADMISSION

1. The candidates according to quota will be selected from the merit list of the candidates.
2. The seat vacated by the candidate will be filled-in by next the candidate on merit list.
3. The selected candidates shall deposit their fees and join the course within fifteen (15) days after the admission in BS Nursing, failing which the admission of the defaulter will be cancelled and the Vacant Seat will be offered to next available candidate on waiting list.
4. In case any seat falls vacant during the first thirty days of start of Academic Year, same shall be filled-in by next available candidate as per merit list.
5. Any seat falling vacant thereafter will not be filled in and shall stand forfeited. Any candidate after joining remains absent for thirty (30) or more than thirty days without any information to the competent authority her / his name will be cancelled from the list of enrolled students in PNS, LUMHS Jamshoro.
6. Application along with attested photocopies of required documents shall be submitted in the prescribed printed form and all columns must be filled in correctly. Incomplete forms are liable to be rejected.
7. All admissions are provisional, subject to verification of their original documents submitted by the candidate. If, at any stage it is proved that the candidate has been admitted on the basis of FAKE or INCORRECT document(s), her/his admission will be cancelled and University authorities reserve the right to take legal action against that candidate.

Academic Policies and Procedures

A. GENERAL INSTITUTIONAL REGULATIONS

- a). All the candidates must present themselves in the institute on the first day of first semester, i.e. Orientation Week.
- b). Class schedule / time table will be posted on bulletin / Notice board
- c). Classes will be scheduled to 8.00 am to 3.00 pm.
- d). A Student will not be allowed after 15 Minutes of the start of the class.

1. Attendance in Classes and Clinical Experience.

The University is determined to improve its teaching standards. The record of attendance is essential to determine eligibility of students for her / his appearing in the examination.

- It is mandatory for students to attend all classes and clinical sessions. Further it is responsibility of students to arrange make up for missed classes, assignments, test and clinical.
- 75% attendance is mandatory to be eligible to appear in the semester examination.
- 10% waiver (5% by Vice Chancellor & 5% by waiver Committee) can be given on **medical grounds** by the committee as per university rule.
- At least 40% attendance shall be required to appear in the **RE-SIT EXAMINATION**.
- **As per Pakistan Nursing Council Rule** students must have to attend 100% of the total clinical hours and 85% of the theoretical hours in each subject of academic session to appear in examination.
- If a student fails to attend as per PNC Rule will repeat the Subjects in next academic year (See PNC Rule 1995).

2. Regular Assigned Leave:

- a. There will be 15 days leave between each semester.
- b. During the maternity leave, if the academic session in on the student will cover the remaining course work by themselves.
- c. No student is allowed to remain absent during clinical experiences.
- d. Leave of absence for special reasons must be obtained from the Head of Institution or Co-coordinator of the Class.

3. Withdrawal Dismissal.

The authority of the LUMHS, has the privilege of recommending the withdrawal or dismissal of admission or semester of any student for the following reasons.

- a. Class or Clinical attendance of less than 75%.
- b. Any conduct which is judged unsatisfactory, illegal or immoral.
- c. Failure to meet the Academic standards due to academic failure.
- d. Failure to abide by the rules and regulations.

AFFIDAVIT

(To be typed on PKR. 200/= Stamp Paper)

I, S/O, D/O, W/O Muslim / Non-Muslim, adult Residence of a candidate for admission in 1st Year BS Nursing Degree Program for the Academic Session 2020 - 21, do hereby state on solemn affirmation on oath as under:

1. That I am a holder of PRC of District which was issued on the basis of domicile of District issued to me / my father / mother and I do not have any other PRC / Domicile of any other district in Sindh.
2. That if I am allowed admission in BS Nursing Degree Program on the merit seat of District on the basis of Domicile / PRC, I shall not seek admission in any other public sector / private sector, Nursing Institution or any other Degree College/Institute.
3. That all documents submitted by me along with application form are genuine and correct and no false document has been submitted. If any document / information is found to be false, incorrect or otherwise defective thereby I know that admission is liable to be cancelled.
4. That after my final selection / provisional admission on open / general merit seat in BS Nursing Degree Program I shall complete the course of 04 Years.
5. That I also undertake that I shall not be to involve myself in any kind of political / unwanted activity throughout my tenure in this Institution (PNS, LUMHS) as a student and in case I am found involved in such activities, the authority of the Institution (PNS, LUMHS) shall be at liberty to expel / rusticate me and to cancel my admission.
6. That I also state that I have gone through all the rules, terms & conditions of the admission, studies and declare that my priority of choice for course is indicated in the application form.
7. That whatever stated above is true and correct to the best of my knowledge & belief.

Signature of Deponent

CNIC:

The deponent name above is identified by me to the oath commissioner for taking affidavit

ADVOCATE

Solemnly affirmed on oath this day of at by deponent name above who is identified to me by Mr./Ms. advocate whom I know. The contents were first truly & audibly read over & explained to the deponent in language who appears to have understood the same & put his/her signature in my presence.

UNDERTAKING BY PARENT / GUARDIAN

(To be typed on PKR. 200/= Stamp Paper)

I, parent / guardian of do hereby undertake and assure that my son / daughter will not join any political activity directly or indirectly throughout her /his career as nursing student.

I also undertake that if my son / daughter / is found to be involved in any political and unethical activity, I shall have no objection to her / his rustication from the University.

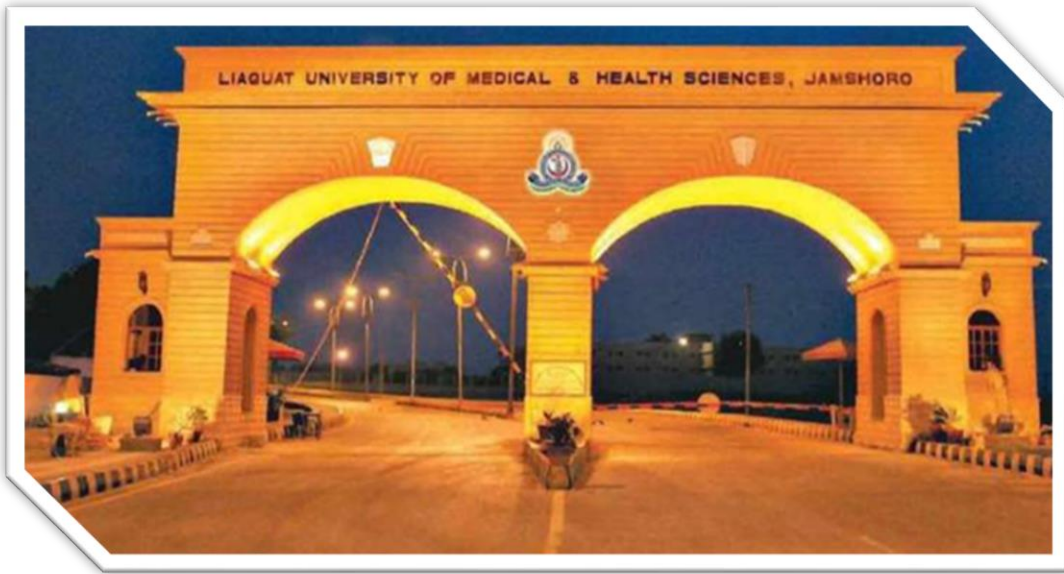
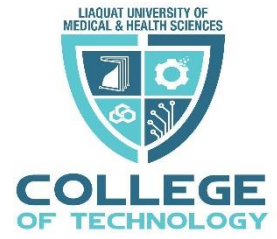
Signature of Parent / Guardian

Name:	<input type="text"/>
CNIC	<input type="text"/>
Address	<input type="text"/>
	<input type="text"/>
Cell Number	<input type="text"/>

Attested by 1st Class Magistrate



COLLEGE OF TECHNOLOGY,





VISION

The Vision of the College of Technology, LUMHS, Liaquat University of Medical and Health Sciences is to be among the best college in providing various undergraduate degree and Diploma programs in Diagnostic Radiology, Medical Laboratory Technology, Forensic Science, Blood Banking, Dentistry and Ophthalmology.

Our College will learn from, build on and respect the past, be active and aggressive in improving the present, but look to the future, and rather than asking **“why,” we will ask**

“why not.”



MESSAGE BY DEAN FACULTY OF BASIC MEDICAL SCIENCES

It is a great honor for me to share my thoughts for College of Technology, LUMHS, one of the many institutes of Liaquat University of Medical and Health Sciences, Jamshoro, Sindh.

LUMHS, under the dedicated and very broad vision and leadership of our worthy Vice Chancellor Prof. Dr Bika Ram, has emerged as a symbol of hope in the field of health sciences. Under his noble guidance, the College of Technology, LUMHS along with numerous other Institutes is functioning with full enthusiasm.

Our target is to educate and transform a diverse group of students into technologically advanced leaders, who will not only think of the present, but also look towards the future with the confidence for any and all sorts of innovation designed to benefit humanity

The college with the introduction of various Undergraduate academic programs, has shown its dedication towards Academics which in turn will produce highly qualified and trained professionals.

With the blessings of Allah and the dedicated efforts of our team, we are determined to achieve our goals.

Professor. Dr. Ikram Din Ujjan
Pro-Vice Chancellor, LUMHS
Dean Basic Medical Science/Administrator
College of Technology, LUMHS, JAMSHORO.



MESSAGE BY DIRECTOR

I feel privileged to be leading College of Technology, LUMHS, a college under the umbrella of prestigious institution Liaquat university of Medical and Health Sciences, Jamshoro.

The college is offering various Undergraduate degree and Diploma programs in multiple disciplines to prepare the best graduates to compete locally, nationally and globally.

I hope that these efforts will facilitate local candidates to get state of the art technical training and qualification in Pathology, Radiology, Forensic Medicine, Molecular Biology, Ophthalmology and Dentistry. This is the first step in the new horizon and we hope that in the future we would be able to commence more programs to provide excellent teaching and training along with a clinical environment of the highest standard.

Dr. Munawar Hussain
Associate Professor,
Bilawal Medical College for Boys, LUMHS,
Director, College of Technology, LUMHS, JAMSHORO

FACULTY

Top-Notch Education. Cutting-Edge Research. Outstanding Clinical Capabilities.

The College of Technology, LUMHS is a respected leader on all three fronts. Our talented faculty and advanced technology attract trainees and scientists who are among the best and brightest – offering the opportunity to work and train in a dynamic innovative environment which remains personal and accessible.

Our mission is simple: to bring scientific advances in medical technology to clinical application.

We strive to create an inclusive, engaged environment in which faculty, residents, fellows, medical students and technical staff all learn from each other and freely collaborate with our clinical and basic-science colleagues.

We have a team of highly professional and dedicated full time and visiting faculty who have expertise in all fields. Our visiting faculty from abroad have capabilities for online teaching. Most of our faculty members are supervisors and examiners of PHD, MD, MS, MCPS, and FCPS

ACADEMIC PROGRAMS

The College of Technology, LUMHS, is involved in academics by the conduct of various Undergraduate degree and Diploma programs.

We are very much determined and focused to launch further undergraduate and postgraduate programs in near future in shaa Allah.

LIST OF ACADEMIC PROGRAMS WITH NUMBER OF SEATS

DEGREE PROGRAMS

S. #	DEGREE PROGRAMS:	ALLOCATION OF SEATS					
		District Merit	General Merit	UEAP (SF)	Other Provinces	Overseas	Total
1	BS Radiologic Technology (BSRT) (Four Years Duration)	24	11	---	---	---	35
2	Associate of Applied Sciences in Radiologic Technology (AASRT) (Two years Duration)	24	11	---	---	---	35
3	BS Medical Laboratory Technology (BSMLT) (Four Years Duration)	24	11	---	---	---	35
4	BS Forensic Science in Forensic Biology (BSFB) (Four Years Duration)	29	---	06	08	07	50
5	BS Forensic Science in Forensic Chemistry & Toxicology (BSFC&T) (Four Years Duration)	29	---	06	08	07	50
6	BS Molecular Biology & Genetics (Four years)	24	11	---	---	---	35

DIPLOMA PROGRAMS

The selection criteria of Technology courses of Degree & Diploma programs will be on general merit basis

S. NO.	DIPLOMA PROGRAMS:	TOTAL NUMBER SEATS ON GENERAL MERIT
1	Diploma in CT Technology (One Year Duration)	FIVE (05)
2	Diploma in MRI Technology (One Year Duration)	FIVE (05)
3	Diploma in Blood Banking and Transfusion(One Year Duration)	TEN (10)
4	Diploma in Ophthalmic Technician(Two Year Duration)	TEN (10)
5	Diploma in Dental Technician (Two Year Duration)	TEN (10)
6	Diploma in Refractionist Technology (Two Year Duration)	FIVE (05)

1.2(a) Allocation of Admissions Seats for Radiologic Technology, Associate of Applied Sciences in Radiologic Technology(AASRT), BS Medical Laboratory Technology.

Total number of seats to be offered for admission in each program is 35 (Thirty Five). Twenty four (24) seats are reserved for the candidates on District wise while, 11 seats are reserved for applicants on General Merit of Sindh Province candidates.

S.No.	District	Admissions Categories			Total Seats
		District wise Seats On Merit		GENERAL MERIT	
1	Hyderabad	01			35
2	KhairpurMirs	01			
3	Larkana	01			
4	Shaheed Benazirabad	01			
5	Mirpurkhas	01			
6	Umarkot	01			
7	Jamshoro	01			
8	Badin	01			
9	Dadu	01			
10	Sukkur	01			
11	Matiari	01			
12	Tando Allah Yar	01			
13	Tando Muhammad Khan	01			
14	NaushahroFeroze	01			
15	Sanghar	01			
16	Thatta	01			
17	Shikarpur	01			
18	Jaccobabad	01			
19	Qambar @ Shahdadkot	01			
20	Kashmore	01			
21	Ghotki	01			
22	Tharparkar	01			
23	Sujawal	01			
24	Karachi	01			
TOTAL		24		11	35

Note: University reserves the right to change the number of allocated Seats.

1.2(b) Allocation of Admissions Seats for BS Forensic Science in Forensic Biology (BSFB) AND BS Forensic Science in Forensic Chemistry & Toxicology (BSFC&T)

- Total number of seats to be offered for admission in BS Forensic Science is 50 (Fifty). Twenty nine (29) seats are reserved for the candidates on merit basis, 07 seats are reserved on University Education Assistance Program (UEAP/ self-finance, 07 seats for applicants from other provinces under self-finance and 07 seats for Overseas Pakistani/Foreign Nationals under self-finance.
- District-wise Merit seats**

S.No.	District	Admissions Categories			Total Seats	
		District Merit	Self Finance	Other Provinces		Overseas / Foreign Nationals
1	Hyderabad	03	06	08	07	Fifty (50) Seats
2	KhairpurMirs	01				
3	Larkana	01				
4	Shaheed Benazirabad	01				
5	Mirpurkhas	01				
6	Umarkot	01				
7	Jamshoro	01				
8	Badin	01				
9	Dadu	01				
10	Sukkur	01				
11	Matiari	01				
12	Tando Allah Yar	01				
13	Tando Muhammad Khan	01				
14	NaushahroFeroze	01				
15	Sanghar	01				
16	Thatta	01				
17	Shikarpur	01				
18	Jacobabad	01				
19	Qambar @ Shahdadkot	01				
20	Kashmore	01				
21	Ghotki	01				
22	Tharparkar	01				
23	Sujawal	01				
24	Karachi	04				
TOTAL		29	06	08	07	50

Note: University reserves the right to change the number of allocated Seats.

BS RADIOLOGIC TECHNOLOGY

AIMS:

Bachelor of Science in Radiologic Technology (**BSRadTech**) is a four year degree program designed to train students how to operate medical imaging equipment such as X-rays, CT scanners, MRIs, sonogram machines, and 3D medical imaging programs among other computer and web-based software programs. Students are also taught how to perform associated clerical duties, including scheduling and maintaining paperwork for office and clinical machinery.

FRAME WORK FOR BS Radiologic Technology (4 YEAR PROGRAMME)

☐☐ Total number of Credit hours 130

☐☐ Duration 4 years

☐☐ Semester duration 16-18 weeks

☐☐ Semesters 8

☐☐ Course Load per Semester 15-18 Credit hours

☐☐ Number of courses per semester 4-6



CT SCAN



COLOUR DOPPLER US



BS MEDICAL LABORATORY TECHNOLOGY

INTRODUCTION:

AIMS

Bachelor of Science in Medical Laboratory Technology (**BSMLT**) is a four year degree program is directed towards medical Technologists who would like to improve their qualifications.

The integration of these courses will provide the students with comprehensive knowledge to meet the educational needs of students who can be employed as medical technologists in medical laboratories, biotechnology and medical research as well as in tertiary care hospitals.

The aim of this program is to equip the students with relevant professional knowledge, skills, techniques and ethical values to enable them to apply their acquired expertise at level between the clinicians and the patient for efficient health service delivery, to develop research skills and further to produce high quality professionals for organizations in various specialized and emerging area.

FRAME WORK FOR BS MEDICAL LABORATORY TECHNOLOGY (4 YEAR PROGRAMME)

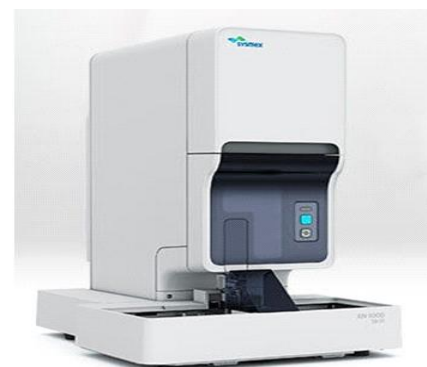
- ☑ Total number of Credit hours 134
- ☑ Duration 4 years
- ☑ Semester duration 16-18 weeks
- ☑ Semesters 8
- ☑ Course Load per Semester 15-18 Credit hours
- ☑ Number of courses per semester 4-6



PHLEBOTOMY



Culture Plates in Microbiology



CBC ANALYZER



Fresh Frozen Plasma

FORENSIC SCIENCE PROGRAMS
B.S. (Four Year/Eight Semester Program)
IN
1. B.S in FORENSIC BIOLOGY
2. B.S in FORENSIC CHEMISTRY & TOXICOLOGY

1. Introduction

1.1 Forensic Science

Forensic Science is all about preservation and analysis of scientific evidence collected from the crime scene for the investigation purpose. Experts of forensic science visit the crime scene immediately for collecting the scientific evidences, and then they analyze the collected evidences in forensic labs. Forensic Science has close relation with Biology, Chemistry, Information Technology, Criminology, Bio-medical Engineering, Law and Medical fields. Although it has close connection with law and investigation but basically it is a kind of applied medical science. Forensic expert must have good knowledge about the local criminal laws. Police, investigation and law enforcement agencies cannot go forward in many criminal cases without their help. Sometimes they have to appear in court as witness and opponent lawyers reserve the right to cross examine them. So they must have good knowledge about their field and convincing arguments in defense of their reports.

A forensic scientist can easily get job in any of the department listed below:

- NAB
- Intelligence Agencies
- Anti-Corruption Department
- Forensic Labs
- Police Training Colleges
- FIA
- Armed Forces
- Investigation Departments
- Military Police
- Courts

2. Standardized Format For BS (4-Year) in Forensic Science

FRAME WORK FOR BS in FORENSIC SCIENCE (4 YEARS PROGRAM)

(As per HEC National Qualifications Framework of Pakistan 2015)

Total numbers of Credit hours	124-140
Duration	4 years (8 Semesters)
Semester duration	16-18 weeks
Semesters	08
Course Load per Semester	15-18 Cr hr
Number of courses per semester	4-6 (not more than 3 lab / Practical courses)



ASSOCIATE OF APPLIED SCIENCE (AAS) DEGREE IN RADIOLOGIC TECHNOLOGY:

- Well structured degree program equivalent to BSC to be conducted over four regular semesters over a two years period consisting of 69 credit hours.

Our Mission:

The Radiologic Science Program prepares students to practice competently and effectively as medical imaging professionals in diverse healthcare environments with awareness of global health issues. The academic and clinical foundation in the curriculum develops graduates with professional flexibility and adaptability to assume prominent roles and responsibilities after graduation in both career and scholarly pursuits.

Goals:

- Develop competent, effective, medical imaging professionals;
- Support development of skills necessary to practice in diverse healthcare environments and to acquire prominent roles in radiologic science;
- Program curriculum, teaching methods, and philosophy promote development of integrative, critical thinking, and communication skills to include written, oral, and electronic discourse;
- Graduate successfully pursue scholarly activities such as contributions to the profession and post-baccalaureate education; and,
- Encourage global awareness of cultural and health care perspectives.

DIPLOMA IN CT TECHNOLOGY

One year Diploma in CT technology leading to CT technologist is a well-structured program having two regular semesters over one year period consisting of 40 credit hours.

After this diploma candidate will be able to perform all types of CT scans independently. The curriculum is at par with the international standard.

Goals:

- Develop competent, effective, medical imaging professionals.
- Support development of skills necessary to practice in diverse healthcare environments and to acquire prominent roles in radiologic science.
- Program curriculum, teaching methods, and philosophy promote development of integrative, critical thinking, and communication skills to include written, oral, and electronic discourse.
- Graduate successfully pursue scholarly activities such as contributions to the profession and post-baccalaureate education.

- Encourage global awareness of cultural and health care perspectives.

STUDENT OUTCOMES

Graduates completing the program will:

- Competently perform CT procedures to obtain diagnostic images.
- Provide appropriate patient care to CT patients.
- Demonstrate ALARA principles to ensure radiation safety.
- Communicate professionally with patients and members of the healthcare team.
- Perform and monitor quality assurance tests.
 - Emphasizes the principles of exposure, image quality, patient care, radiation safety and other associated professional skills.
 - Placement of clinical assignment is by program coordinator.

DIPLOMA IN MRI TECHNOLOGY

INTRODUCTION:

One year Diploma in MRI technology leading to MRI technologist is a well-structured program having two regular semesters over one year period consisting of 40 credit hours.

After this diploma candidate will be able to perform all types of MRI scans independently.

The curriculum is at par with the international standard.

Goals:

1. Develop competent, effective, medical imaging professionals;
2. Support development of skills necessary to practice in diverse healthcare environments and to acquire prominent roles in radiologic science;
3. Program curriculum, teaching methods, and philosophy promote development of integrative, critical thinking, and communication skills to include written, oral, and electronic discourse;
4. Graduate successfully pursue scholarly activities such as contributions to the profession and post-baccalaureate education; and,
5. Encourage global awareness of cultural and health care perspectives.

STUDENT OUTCOMES

Graduates completing the program will:

- Competently perform MRI procedures to obtain diagnostic images.
- Provide appropriate patient care to MRI patients.
- Communicate professionally with patients and members of the healthcare team.
- Perform and monitor quality assurance tests.

DIPLOMA IN BLOOD BANKING AND TRANSFUSION

INTRODUCTION

This program is intended for students who are willing to pursue their career in Blood Banking and Transfusion Medicine.

AIM

After completion of this Diploma course candidates will be able to perform all types of basic as well as advanced Blood Banking techniques.

ABOUT THIS PROGRAM

One year diploma in Blood Banking and Transfusion is a well-structured program having two regular semesters comprising 40 credit hours.

DIPLOMA IN OPHTHALMIC TECHNICIAN

INTRODUCTION

This program is intended for students who are willing to pursue their career as an ophthalmic Technician.

ABOUT THIS PROGRAM

Two years diploma program for ophthalmic technician is a well- structured program having four regular semesters.



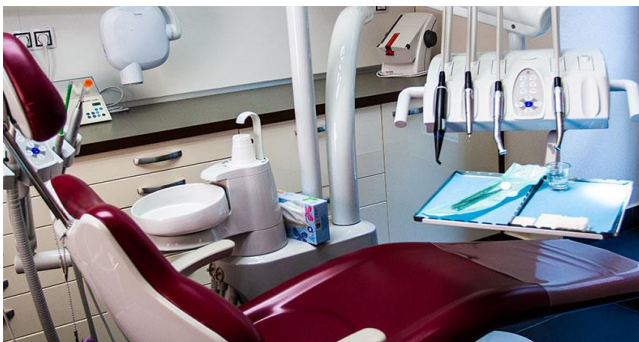
DIPLOMA IN DENTAL TECHNICIAN

INTRODUCTION:

This program is intended for students who are willing to pursue their career as a dental technician.

ABOUT THIS PROGRAM:

Two years diploma program for dental technician is a well- structured program having four regular semesters. Sound knowledge regarding dental procedures, techniques and oral hygiene will be given to the candidates.



FEES STRUCTURE FOR FOUR YEARS BS PROGRAMS

(BS RADIOLOGIC TECHNOLOGY, BS MEDICAL LABORATORY TECHNOLOGY)

FEES STRUCTURE	YEAR 1	YEAR II	YEAR III	YEAR IV
Admission Fees	Rs.5000	-	-	-
Enrollment Fees + RFID Card	Rs.2000	-	-	-
Tuition Fees	Rs.85000	Rs.85000	Rs.85000	Rs.85000
Transport Fees	Rs.3000	Rs.3000	Rs.3000	Rs.3000
Security Deposit (Refundable)	Rs.10000	-	-	-
TOTAL	Rs.105000	Rs.88000	Rs.88000	Rs.88000
GRAND TOTAL= 3,69,000/				

FEES STRUCTURE FOR TWO YEARS DEGREE PROGRAM

(ASSOCIATE OF APPLIED SCIENCES IN RADIOLOGIC TECHNOLOGY (AAS))

FEES STRUCTURE	YEAR 1	YEAR II
Admission Fees	Rs.5000	-
Enrollment Fees + RFID Card	Rs.2000	-
Tuition Fees	Rs.55000	Rs.55000
Transport Fees	Rs.3000	Rs.3000
Security Deposit (Refundable)	Rs.10000	-
TOTAL	Rs.75000	Rs.58000
GRAND TOTAL= 133000/		

FEES STRUCTURE FOR TWO YEARS DIPLOMA PROGRAMS

(Diploma in Ophthalmic Technician, Diploma in Dental Technician, Diploma in Refractionist)

FEES STRUCTURE	YEAR 1	YEAR II
Admission Fees	Rs.5000	-
Enrollment Fees + RFID Card	Rs.2000	-
Tuition Fees	Rs.55000	Rs.55000
Transport Fees	Rs.3000	Rs.3000
Security Deposit (Refundable)	Rs.10000	-
TOTAL	Rs.75000	Rs.58000
GRAND TOTAL= 1,33000/		

FEES STRUCTURE FOR ONE YEARS DIPLOMA PROGRAMS

(Diploma in CT Technology, Diploma in MRI Technology, Diploma in Blood Banking and Transfusion)

FEES STRUCTURE	YEAR 1
Admission Fees	Rs.5000
Enrollment Fees + RFID Card	Rs.2000
Tuition Fees	Rs.55000
Transport Fees	Rs.3000
Security Deposit (Refundable)	Rs.10000
TOTAL	Rs.75000
GRAND TOTAL= 75000/	

Fee structure for BS Forensic Science Programs.

Fees Structure for Merit

Year	Semester	Admission Fee	Tuition Fee	RFID Card Fee	Transport Fee	Total
1 st	1 st	16,000	60,000	1,000	4,500	81,500
	2 nd	-	60,000	-	-	60,000
2 nd	1 st	-	60,000	1,000	4,500	65,500
	2 nd	-	60,000	-	-	60,000
3 rd	1 st	-	60,000	1,000	4,500	65,500
	2 nd	-	60,000	-	-	60,000
4 th	1 st	-	60,000	1,000	4,500	65,500
	2 nd	-	60,000	-	-	60,000

Note: Security Deposit (Refundable) Rs.15,000 will be charged (Once only) at the time admission in first year

Fees Structure for UEAP /Self Finance

Year	Semester	Admission Fee	Tuition Fee	Total
1 st	1 st	16,000	125,000	141,000
	2 nd	-	125,000	125,000
2 nd	1 st	-	125,000	125,000
	2 nd	-	125,000	125,000
3 rd	1 st	-	125,000	125,000
	2 nd	-	125,000	125,000
4 th	1 st	-	125,000	125,000
	2 nd	-	125,000	125,000

Note: Security Deposit (Refundable) Rs.15,000 will be charged (Once only) at the time admission in first year

Overseas Category

Year	Semester	Admission fee	Tuition fee	Total
1 st	1 st	US\$500	US\$2,500	US\$3,000
	2 nd	-	US\$2,500	US\$2,500
2 nd	1 st	-	US\$2,500	US\$2,500
	2 nd	-	US\$2,500	US\$2,500
3 rd	1 st	-	US\$2,500	US\$2,500
	2 nd	-	US\$2,500	US\$2,500
4 th	1 st	-	US\$2,500	US\$2,500
	2 nd	-	US\$2,500	US\$2,500

Note: Security Deposit (Refundable) Rs.15,000 will be charged (Once only) at the time admission in first year

Final Message

COLLEGE OF TECHNOLOGY, LUMHS endeavors to promote distinctive, world-class academics in medical technology. It also strive to cultivate students global competence by developing in each of them a high level of expertise and refined sensibilities needed to tackle the challenges of the 21st Century while playing an active role in a wide range of fields throughout the world.

We strive hard for the fulfillment of this mission and help in improving overall healthcare through quality Diagnostic Services and Academics.

DEPARTMENT OF MOLECULAR BIOLOGY & GENETICS

B.S. in Molecular Biology & Genetics

(i) Introduction

Molecular biology & Genetics is a rapidly developing field of biological sciences that involves the study of organisms on a cellular and molecular level. It has many important applications such as biomedical sciences, molecular medicine, disease prevention and treatment, generation of new protein products, and manipulation of plants and animals for desired phenotypic traits. The study of living things at molecular and genetic levels have undergone tremendous development and expansion in the last two-three decades, and as a result undergraduate education in topics such as molecular cell biology, molecular genetics and genomics are becoming of higher interest.

Genetics and Molecular Biology program at LUMHS offers a Bachelor of Science degree upon completion of a 4-year curriculum taught in English. Students will be mainly educated in molecular biology and various fields of genetics that are designed to train students for post graduates studies in the related fields. In addition, optional courses include other fields of biology such as immunology, Physiology, Microbiology, Pharmacology, Epidemiology and Bioinformatics.

Goal:

Students will be introduced to general and foundation courses of Genetics and Molecular biology. The specialized courses provide in-depth knowledge in various aspects of genetics and molecular biology, both in theory and in practice through laboratory experience. Students will also be offered several elective options in order to further develop themselves according to their own interests, such as in fields of Stem cells, Gene Therapy, Forensic Biology and Endocrinology.

Students of the Genetics and Molecular Biology program will benefit from the state of the art laboratories of LUMHS, computer and audio-visual technology facilities, University library to follow the latest developments in the biological sciences and other relevant fields. Students of the program will be offered the opportunity to take part in projects carried out by the department academic staff. This will enhance their ability to understand the genomics revolution that is changing the face of all biological and biomedical areas of the science.

Objectives:

The objectives of 4 year BS in Genetics and Molecular Biology are:

- To provide students with a solid foundation through coursework and practical training.
- To develop skilled human resource with basic understanding of the subject of molecular biology and fundamentals of classical as well as modern molecular genetics.

Career Opportunities

Following the successful completion of the 4-year undergraduate studies, program graduates will receive a Bachelor of Science (B.S.) degree in Genetic and Molecular Biology. Upon receiving this degree, graduates will have the necessary foundation for further education in post-graduate programs. In addition graduates will have the opportunity to find employment in variety of fields including teaching, clinical genetics, bioinformatics, pharmaceutical and biotechnology industries, private diagnostic laboratories and research institutes.

(ii) **Faculty**

1. **Dr. Ali Muhammad Waryah (M.Phil., Ph.D.)** Incharge
Associate Professor
 Department of Molecular Biology & Genetics
 Liaquat University of Medical & Health Sciences, Jamshoro, Pakistan
2. **Dr. Shakeel Ahmed Shaikh (MBBS, Ph.D.)**
 Assistant Professor,
 Department of Molecular Biology & Genetics
 Liaquat University of Medical & Health Sciences, Jamshoro, Pakistan
3. **Dr. Mahesh Kuman (MBBS, Ph.D.)**
 Assistant Professor
 Department of Molecular Biology & Genetics
 Liaquat University of Medical & Health Sciences, Jamshoro, Pakistan
4. **Dr. Feriha Fatima (PhD.)**
 Assistant Professor
 Department of Molecular Biology & Genetics
 Liaquat University of Medical & Health Sciences, Jamshoro, Pakistan

(iii) **Structure of Program**

Sr.	Courses	No of courses	Cr. Hr.
1	Compulsory courses	09	25
2	General courses	09	27
3	Discipline specifies courses	10	30
4	Major courses	13	42
5	Elective within the Major	04	12
Total		45	136

(iv) Allocation of Admissions Seats for BS Molecular Biology & Genetics

- Total number of seats to be offered for admission in each program is 35 (Thirty Five). Twenty four (24) seats are reserved for the candidates on District wise while, 11 seat are reserved for applicants on General Merit of Sindh Province candidates.

S.No.	District	Admissions Categories			Total Seats
		District wise Seats On Merit		GENERAL MERIT	
1	Hyderabad	01			35
2	KhairpurMirs	01			
3	Larkana	01			
4	Shaheed Benazirabad	01			
5	Mirpurkhas	01			
6	Umarkot	01			
7	Jamshoro	01			
8	Badin	01			
9	Dadu	01			
10	Sukkur	01			
11	Matiari	01			
12	Tando Allah Yar	01			
13	Tando Muhammad Khan	01			
14	NaushahroFeroze	01			
15	Sanghar	01			
16	Thatta	01			
17	Shikarpur	01			
18	Jaccobabad	01			
19	Qambar @ Shahdadkot	01			
20	Kashmore	01			
21	Ghotki	01			
22	Tharparkar	01			
23	Sujawal	01			
24	Karachi	01			
TOTAL		24		11	35

Note: University reserves the right to change the number of allocated Seats.

Fee structure for BS Molecular Biology & Genetics**Fees Structure for Merit**

Year	Semester	Admission Fee	Tuition Fee	RFID Card Fee	Transport Fee	Total
1 st	1 st	16,000	60,000	1,000	4,500	81,500
	2 nd	-	60,000	-	-	60,000
2 nd	1 st	-	60,000	1,000	4,500	65,500
	2 nd	-	60,000	-	-	60,000
3 rd	1 st	-	60,000	1,000	4,500	65,500
	2 nd	-	60,000	-	-	60,000
4 th	1 st	-	60,000	1,000	4,500	65,500
	2 nd	-	60,000	-	-	60,000

Note: Security Deposit (Refundable) Rs.15,000 will be charged (Once only) at the time admission in first year

ELIGIBILITY OF THE CANDIDATES

ELIGIBILITY FOR ADMISSION IN DPT & PHARM-D

The admission in the course of Doctor of Physiotherapy and Pharm-d programme will purely be on merit basis.

- 01) Those candidates who have been passed the Higher Secondary School Certificate (HSC) Examinations (**Pre-Medical Group**) or 'A' level (Pre-Medical) secured at least **60%** marks in aggregate from any Board of Higher Secondary Education in Pakistan or any Institution from Foreign Countries duly recognized by Inter-Board Committee of Chairman (**IBCC**) are eligible to apply for the DPT & PHARM-D.
- 02) The candidate should be permanent Resident of any District of Sindh.

ELIGIBILITY FOR ADMISSION IN BS.NURSING

The admission in the course of BS Nursing will purely be on merit basis.

- 01) Those candidates who have been passed the Higher Secondary School Certificate (HSC) Examinations (**Pre-Medical Group**) or 'A' level (**Pre-Medical**) secured at least **50%** marks in aggregate from any Board of Higher Secondary Education in Pakistan or any Institution from Foreign Countries duly recognized by Inter-Board Committee of Chairman (**IBCC**) are eligible to apply for the Bs.Nursing.

ELIGIBILITY FOR ADMISSION IN BS.TECHNOLOGY & DIPLOMA IN TECHNOLOGY PROGRAMMES

The admission in the course of BS Technology & Diploma in Technology will purely be on merit basis.

- 01) Those candidates who have been passed the Higher Secondary School Certificate (HSC) Examinations (**Pre-Medical Group** or 'A' level (**Pre-Medical**) secured at least **50%** marks in aggregate from any Board of Higher Secondary Education in Pakistan or any Institution from Foreign Countries duly recognized by Inter-Board Committee of Chairman (**IBCC**) are eligible to apply for the BS.TECHNOLOGY & DIPLOMA IN TECHNOLOGY PROGRAMMES.

ELIGIBILITY FOR ADMISSION IN BS IN MOLECULAR BIOLOGY & GENETICS

The admission in the course of BS Molecular Biology & Genetics will purely be on merit basis.

- 02) Those candidates who have been passed the Higher Secondary School Certificate (HSC) Examinations (**Pre-Medical Group** or 'A' level (**Pre-Medical**) secured at least **50%** marks in aggregate from any Board of Higher Secondary Education in Pakistan or any Institution from Foreign Countries duly recognized by Inter-Board Committee of Chairman (**IBCC**) are eligible to apply for the BS in Molecular Biology & Genetics.

FORMULA FOR WORKING OUT OVER ALL MERIT

- a) HSSC/F.Sc or Equivalent. (50%);
- b) Admission test (50%)

Example:

If a Candidate has obtained the following marks:

a	HSC/A-Level Equivalent marks	660/1100 or 60.00%
b	Entry Test Marks	80/200 or 40.00%

His/her Merit will be calculated as follows:

A	HSC/A-Level Equivalent marks	60.00% x 0.5= 30.000
b	Entry Test Marks	40.00% x 0.5= 20.000
OVER ALL MERIT OF THE CANDIDATE		A+B=30.000+20.0000 = 50.000

All calculation in percentages will be rounded up to **three** decimal points.

Marks shall be added from the total marks of the candidate in his/her HSC (Pre- Medical) qualifying examination in order to adjust the marks.

No deduction in gape of year

In case the overall scores of two or more candidates are equal, the candidate older in age shall be ranked higher in merit for the purpose of admission.

**FOR ANY QUERIES
PLEASE CONTACT ON
TEL NO.022-9213320 - 21
EMAIL (admission@lumhs.edu.pk)**