



**INSTITUTE OF PHYSICAL
MEDICINE & REHABILITATION
BILAWAL MEDICAL COLLEGE
DEGREE PROGRAMS**

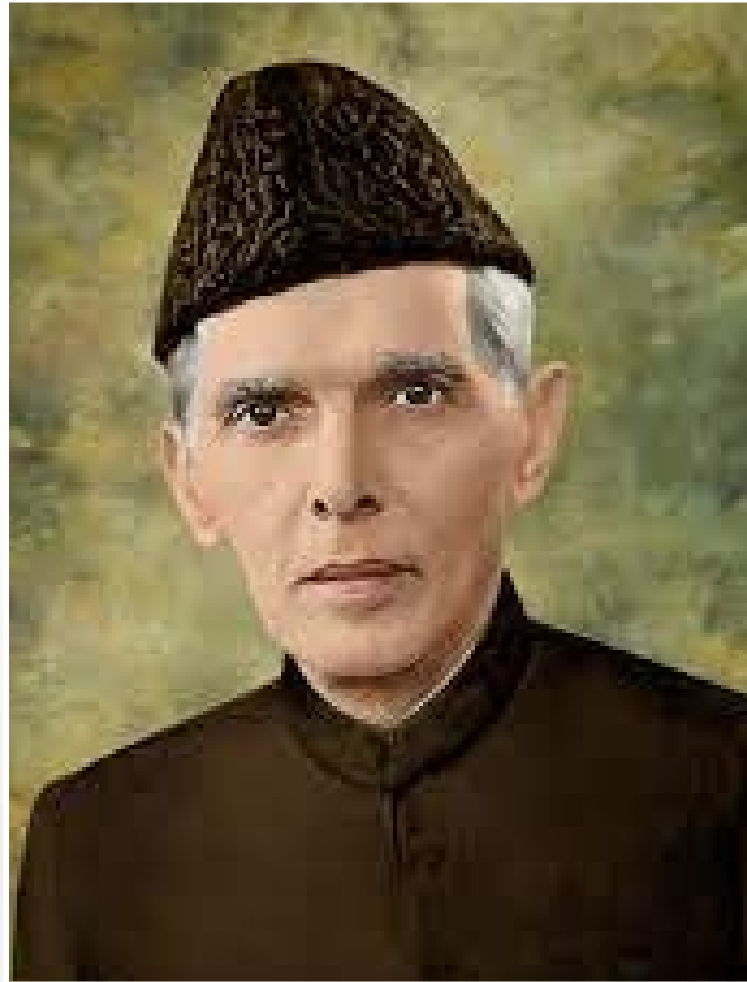
**Prospectus
Session 2023-2024**



**Liaquat University of Medical & Health
Sciences, Jamshoro**

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



Message of Vice Chancellor

I am pleased to announce the launch of our newly introduced BS programs at Bilawal Medical College, a constituent college of Liaquat University of Medical and Health Sciences (LUMHS). As the Vice-Chancellor of LUMHS, I am excited to offer these programs to talented and ambitious students from across the country.

The BS programs at Bilawal Medical College have been designed to provide students with a rigorous academic curriculum, combined with practical and hands-on training, to prepare them for a successful career in the healthcare industry. Our faculty comprises highly qualified and experienced professionals, who are committed to ensuring that students receive the best education and training possible.

I encourage all eligible candidates to review the prospectus carefully and consider applying to one of our BS programs. LUMHS has a reputation for excellence in medical education, and we are confident that our newly introduced programs will continue to uphold this tradition.

I wish you all the best in your academic pursuits and look forward to welcoming you to Bilawal Medical College.

Prof. Dr. Ikram Din Ujjan

Vice Chancellor
LUMHS, Jamshoro



Message of Principal

It is my great pleasure to announce the launch of our new Bachelor of Science (BS) programs at Bilawal Medical College. We are introducing these programs to provide our students with the knowledge and skills required to excel in the challenging fields of Speech Language and Hearing Sciences, Prosthetics & Orthotics, Occupational Therapy and Psychology.

Our BS programs are carefully designed by our experienced faculty members to ensure that students receive a comprehensive education that combines theoretical knowledge with practical training. We believe that our programs will provide students with the tools and experience required to succeed in their chosen fields.

At Bilawal Medical College, we pride ourselves on providing a world-class education to our students. Our state-of-the-art facilities and resources ensure that our students receive the best possible education, and our faculty members are committed to helping students reach their full potential.

We understand that choosing the right program and institution for your education is an important decision. We encourage you to consider our new BS programs at Bilawal Medical College. Our programs provide students with a unique opportunity to grow personally and professionally, and we are confident that our graduates will be well-prepared for their future careers.

Thank you for considering Bilawal Medical College. We look forward to welcoming you to our community of learners.

Sincerely,

Prof. Dr. Ashraf Ali Khaskheli
Principal
Bilawal Medical College

ACADEMIC PROGRAMS

Bilawal Medical College is pleased to offer four new undergraduate program, designed to prepare students for various careers in the healthcare industry. These programs include BS Prosthetics and Orthotics, BS Occupational Therapy, BS Audiology & Speech Language Therapy, and BS Psychology. Our experienced faculty and state-of-the-art facilities provide a supportive learning environment for our students. Explore our programs and discover the opportunities that await you at Bilawal Medical College. We offer the following Degree Programs

Sr	DEGREE PROGRAMS	Course Duration
01	BS Prosthetics & Orthotics (BS P&O)	Four Years
02	BS Occupational Therapy (BS OT)	Four Years
03	BS Audiology & Speech Language Therapy (BS ASLT)	Four Years
04	BS Psychology (BS PSY)	Four Years

ALLOCATION OF SEATS FOR ALL PROGRAMS

Sr No:	DEGREE PROGRAM	Allocation of Seats
01	BS Prosthetics & Orthotics (BS P&O)	30
02	BS Occupational Therapy (BS OT)	30
03	BS Audiology & Speech Language Therapy (BS ASLT)	30
04	BS Psychology (BS PSY)	30

NOTE: Admissions are open to candidates from all over Pakistan who meet the eligibility criteria outlined in this prospectus.

Allocation of seats to candidates will be done on the basis of open merit.

RULES OF ADMISSION:

1. If he/she leaves/withdraws from provincial selection during the period before or upto 45 days will be filled by the candidate next on merit as per merit list.
2. The period of 45 days shall be countable from the commencement of classes 1st year (1st semester) of Academic Session 2023-24.
3. Any seat falling vacant after period of 45 days shall not be filled and shall stand vacant/forfeited.
4. 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.
5. Candidate who is finally selected for admission in BS Degree Program shall have to pledge, through an affidavit that He/ She shall complete the course of BS Degree Programs. In case He /She leaves the College before completing the Course for any reason, He /She will submit a Pay Order/ Demand Draft of Rs. 150,000/- (Rupees one hundred fifty thousandOnly) payable to the Principal, Bilawal Medical College, LUMHS, as a penalty for wasting a precious seat.

FEES STRUCTURE FOR FOUR YEARS BS PROGRAMS 2023-2024

Year	Semester	Admission Fee	Tuition Fee	Transport Fee	Documents	Verification Fee	Total
1st	1st	50000	70000	5000	3000	-	Rs. 128000
	2nd	0	70000	0	0	-	Rs. 70000
2nd	3rd	0	70000	5000	0	-	Rs. 75000
	4th	0	70000	0	0	-	Rs. 70000
3rd	5th	0	70000	5000	0	-	Rs. 75000
	6th	0	70000	0	0	-	Rs. 70000
4th	7th	0	70000	5000	0	-	Rs. 75000
	8th	0	70000	0	0	-	Rs. 70000
						G. Total	Rs. 633000

FEE RULES:

If a candidate withdraws their provisional selection for a BS degree program within 45 days, the fee they paid will be refunded. However, once the 45-day period has passed, the fee will not be refunded under any circumstances.

After 45 days or closing of admission process, if a candidate leaves/ withdraws from the admission/ studies of BS Degree Programs for any reason, He/ She will submit a Pay Order/ Demand Draft of Rs.150, 000/- (Rupees One Hundred and Fifty Thousand only) payable to the Principal Bilawal Medical College, LUMHS, Jamshoro as a penalty for wasting of precious seat.

BS Prosthetics and Orthotics (BS P&O)

Introduction:

The aim of the BS program in Prosthetics and Orthotics offered by Bilawal Medical College is to provide students with a comprehensive understanding of the science and technology involved in designing, fitting, and fabricating prosthetic and orthotic devices for individuals with physical disabilities. Through a combination of theoretical knowledge and hands-on training, students will learn how to assess patients' needs, design and fabricate custom devices, and provide ongoing care and support to ensure the optimal function and comfort of these devices.

Upon completion of the program, graduates will have the knowledge and skills to work as competent professionals in the field of prosthetics and orthotics, contributing to the improvement of the quality of life of individuals with physical disabilities. Graduates will be equipped to work in a variety of settings, including hospitals, clinics, rehabilitation centers, and private practices, and will be prepared to continue their education at the graduate level if desired.



FRAMEWORK FOR BS PROSTHETICS AND ORTHOTICS (4 YEAR PROGRAM)

ELIGIBILITY CRITERIA

Those candidates who have passed the Higher Secondary School Certificate (HSC) Examinations (Pre-Medical/Pre-Engineering Group) & 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 above mentioned BS Program in Bilawal Medical College.

SCHEME OF STUDIES FOR 4-YEARS BS PROSTHETICS & ORTHOTICS PROGRAM

SEMESTER/YEAR	Name of Subject	Credit
First Professional Year		
FIRST	English I	3(3+0)
	Mathematics I	3(3+0)
	Workshop Technology (University Option)	2(1+1)
	Anatomy I	3(2+1)
	Physiology	3(3+0)
	Applied Prosthetics & Orthotics I	4(1+3)
Semester Cr. Hr.		18
SECOND	English II	3(3+0)
	Mechanics (University Option)	3(3+0)
	Anatomy II	3(2+1)
	Pathology I	3(3+0)
	Material Science	2(2+0)
	Applied Prosthetics & Orthotics II	4(1+3)
Semester Cr. Hr.		18
Second Professional Year		
THIRD	English III	3(3+0)
	Introduction to Computers	3(2+1)
	Pathology II	2(2+0)
	Biomechanics I	3(3+0)
	Clinical Studies	3(2+1)
	Applied Prosthetics & Orthotics III	4(1+3)
Semester Cr. Hr.		18

FOURTH	Pakistan Studies	3(3+0)
	Basic Medicine & Radiology	3(3+0)
	Biomechanics II	3(3+0)
	Physical Medicine & Rehabilitation	3(2+1)
	Applied Prosthetics and Orthotics IV	4(1+3)
Semester Cr. Hr.		16
Third Professional Year		
FIFTH	Islamic Studies /Ethics	2(2+0)
	Evidence Based Practice	3(2+1)
	Clinical Orthopaedics	2(1+1)
	Biostatistics	2(2+0)
	Workshop Management	3(3+0)
	Applied Prosthetics & Orthotics V	4(1+3)
Semester Cr. Hr.		16
SIXTH	Psychology	3(2+1)
	Electro-technology	3(2+1)
	Interdisciplinary Practice	2(1+1)
	Research Methodology	3(3+0)
	Applied Prosthetics & Orthotics VI	4(1+3)
Semester Cr. Hr.		15
Fourth Professional Year		
SEVENTH	Orthotics Clinical Practice I	4(1+3)
	Prosthetics Clinical Practice I	4(1+3)
	Research Project I	3(3+0)
	Foot Care (Diabetic/Neuropathic Foot)	3(3+0)
	Advanced Orthotics	3(2+1)
Semester Cr. Hr.		17
EIGHTH	Orthotics Clinical Practice II	4(1+3)
	Prosthetics Clinical Practice II	4(1+3)
	Research Project II	3(3+0)
	Motion Analysis	3(3+0)
	Advanced Prosthetics	3(2+1)
Semester Cr. Hr.		17
G. Total		135

BS OCCUPATIONAL THERAPY (BS OT)

INTRODUCTION:

The aim of the BS program in Occupational Therapy offered by Bilawal Medical College is to prepare students to become competent and compassionate healthcare professionals who specialize in helping individuals achieve optimal levels of function and independence in their daily lives. Through a combination of theoretical knowledge and practical experience, students will learn to assess patients' needs, develop treatment plans, and implement interventions that promote health, well-being, and quality of life.

The program aims to equip students with a deep understanding of the human body, its functions, and its limitations, as well as the social, psychological, and environmental factors that affect health and well-being. Students will develop the skills to work collaboratively with patients, families, and healthcare teams to address a wide range of physical, cognitive, and emotional challenges and to help patients achieve their goals and aspirations.

Upon completion of the program, graduates will be prepared to work as occupational therapists in a variety of settings, including hospitals, rehabilitation centers, schools, and community-based organizations. They will have the knowledge and skills to provide high-quality, evidence-based care to patients across the lifespan and to make meaningful contributions to the field of occupational therapy through research, advocacy, and leadership.



FRAMEWORK FOR BS OCCUPATIONAL THERAPY (4 YEAR PROGRAM)

ELIGIBILITY CRITERIA

Those candidates who have passed the Higher Secondary School Certificate (HSC) Examinations (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 above mentioned BS Program in Bilawal Medical College.

SCHEME OF STUDIES FOR 4-YEARS BS OCCUPATIONAL THERAPY PROGRAM

SEMESTER/YEAR	Name of Subject	Credit
First Professional Year		
FIRST	Anatomy I	03
	Physiology I	02
	English I	02
	Introduction To Occupational Therapy	03
	Therapeutic Activities And Their Techniques	02
Semester Cr. Hr.		12
SECOND	English II	02
	Psychology	02
	Sociology	03
	Physiology II	03
	Therapeutic Activities And Their Techniques	02
	Anatomy II	03
Semester Cr. Hr.		15
Second Professional Year		
THIRD	Kinesiology I	03
	English III	01
	Therapeutic Activities And Their Techniques	01
	Medical Condition I	03
	Assessment And Evaluation In Occupational Therapy	03
	Psychiatric Conditions	03
	Surgical Condition	03
Semester Cr. Hr.		17

FOURTH	Kinesiology II	03
	English IV	03
	Occupational Therapy For Physical And Psychosocial Rehabilitation	03
	Medical Condition	03
	Clinical Practice	03
	Psychiatric Conditions	03
	Surgical Condition	03
Semester Cr. Hr.		21
Third Professional Year		
FIFTH	Pharmacology	02
	Orthotics Prosthetics	02
	Occupational Therapy For Physical And Psychosocial Rehabilitation	05
	Clinical Practice And Field Work Level I	05
Semester Cr. Hr.		14
SIXTH	Occupational Therapy For Physical And Psychosocial Rehabilitation	02
	Occupational Therapy For Elderly	02
	Management For OT Services	02
	Research Methodology	05
	Clinical Practice Field Work Level II	05
Semester Cr. Hr.		16
Fourth Professional Year		
SEVENTH	Clinical Practice Field Work III	12
	Research Project	03
Semester Cr. Hr.		15
EIGHTH	Clinical Practice Field Work IV	16
Semester Cr. Hr.		16
G. Total		126

BS Audiology & Speech Language Therapy (BS ASLT)

1. Introduction

The BS program in Speech Language and Hearing Science offered by Bilawal Medical College is designed to provide students with a comprehensive understanding of the science of communication and the mechanisms of hearing, speech, and language production. Through a combination of theoretical knowledge and practical experience, students will learn about the complex systems that allow us to communicate effectively and the various factors that can impact these systems, including developmental, neurological, and acquired disorders.

The program aims to prepare students to become skilled and compassionate healthcare professionals who are dedicated to helping individuals overcome communication challenges and achieve their full potential. Students will develop the skills to assess, diagnose, and treat a wide range of communication disorders, including language delays, speech sound disorders, stuttering, voice disorders, and hearing loss.

Upon completion of the program, graduates will be prepared to work in a variety of settings, including hospitals, clinics, schools, and community-based organizations. They will have the knowledge and skills to provide evidence-based care to patients across the lifespan and to make meaningful contributions to the field of speech-language pathology and audiology through research, advocacy, and leadership.



FRAMEWORK FOR BS AUDIOLOGY & SPEECH LANGUAGE THERAPY (4 YEAR PROGRAM) ELIGIBILITY CRITERIA

Those candidates who have passed the Higher Secondary School Certificate (HSC) Examinations (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 above mentioned BS Program in Bilawal Medical College.

SCHEME OF STUDIES FOR 4-YEARS BS AUDIOLOGY & SPEECH LANGUAGE THERAPY PROGRAM

SEMESTER/YEAR	Name of Subject	Credit
First Professional Year		
FIRST	Information Technology	02
	Normal Language Development	03
	Overview of Human Anatomy and Physiology	03
	Anatomy and Physiology for Audiology and Speech language Pathology I	03
	Introduction of Speech language Pathology and Audiology	04
	English	03
	Semester Cr. Hr.	
SECOND	Anatomy and Physiology for Audiology and Speech language Pathology II	03
	Phonetics	03
	Psychoacoustics and Hearing Sciences	03
	Linguistics	03
	Neurosciences for Speech Language Pathology	03
	Pakistan Studies	02
Semester Cr. Hr.		17
Second Professional Year		
THIRD	Clinical Practicum I (School Observation)	03
	Articulation and Phonology	03
	Clinical Audiology	03
	Statistics	02
	Psychology	03
	Language Disorder I	03
Semester Cr. Hr.		17

FOURTH	Clinical Practicum II (Practical)	03
	Abnormal Psychology	03
	Fluency Disorder	03
	Speech Survey	03
	Physics	02
	Language Disorder II	03
Semester Cr. Hr.		17
Third Professional Year		
FIFTH	Islamiyat	03
	Dysphagia	03
	Aural Rehabilitation and CAPD	04
	Clinical Practicum III (Supervision)	03
	Diagnostic Procedure	03
	Aphasia I	02
Semester Cr. Hr.		18
SIXTH	Research Methods	03
	Aphasia II	02
	Voice Disorders	03
	Motor Speech Disorders	03
	Clinical Practicum IV	03
	ASD + Sensory Integration	03
Semester Cr. Hr.		17
Fourth Professional Year		
SEVENTH	Medical Speech Language Pathology	03
	Ethics	01
	Learning Disabilities	03
	Augmentative and Alternative Communication	03
	Clinical Procedure ACP I	06
Semester Cr. Hr.		16
EIGHTH	Cognitive Rehabilitation	03
	Sign Language	03
	Research Project	03
	Bilingualism	01
	Clinical Procedure ACP II	06
Semester Cr. Hr.		16
G. Total		136

BS PSYCHOLOGY (BS PSY)

INTRODUCTION:

The BS program in Psychology offered by Bilawal Medical College is designed to provide students with a comprehensive understanding of the scientific study of human behavior and mental processes. Through a combination of theoretical knowledge and practical experience, students will learn about the various factors that shape human behavior, including biological, cognitive, emotional, social, and cultural influences.

The program aims to prepare students to become skilled and compassionate healthcare professionals who are dedicated to helping individuals improve their mental health and well-being. Students will develop the skills to assess, diagnose, and treat a wide range of mental health disorders, including anxiety, depression, substance use disorders, and personality disorders.

Upon completion of the program, graduates will be prepared to work in a variety of settings, including hospitals, clinics, schools, and community-based organizations. They will have the knowledge and skills to provide evidence-based care to patients across the lifespan and to make meaningful contributions to the field of psychology through research, advocacy, and leadership. Graduates will also be well-equipped to pursue further education at the graduate level if desired.



FRAMEWORK FOR BS PSYCHOLOGY (4 YEAR PROGRAM)

ELIGIBILITY CRITERIA

Those candidates who have passed the Higher Secondary School Certificate (HSC) Examinations (Pre-Medical/ Pre Engineering/ Humanities/ Arts) & 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 above mentioned BS Program in Bilawal Medical College.

SCHEME OF STUDIES BS PSYCHOLOGY (04 YEARS PROGRAM)

SEMESTER/YEAR	Name of Subject	Credit
First Professional Year		
FIRST	English I	2
	Pakistan Studies	2
	Mathematics I	2
	Introduction to Psychology & Lab Work I	5(3+2)
	Schools of Psychology	2
	Statistics I	3
	Physiology and Lab Work I	4(3+1)
Semester Cr. Hr.		20
SECOND	English II	2
	Islamiyat	2
	Mathematics II	2
	Statistics II	3
	Physiology and Lab Work II	4(3+1)
	Cognitive Psychology	3
	Experimental Psychology	3(2+1)
Semester Cr. Hr.		19

Second Professional Year		
THIRD	English Communication & Writing Skills	3
	Cognitive Psychology	3
	Biochemistry & Lab Work	3(2+1)
	Environmental Psychology	3
	Statistics (Application of Statistics In Psychology)	3
	Sociology	2
	Neuro-anatomy	3
Semester Cr. Hr.		20
FOURTH	English Communication & Writing Skills	3
	Educational Psychology	4(3+1)
	Personality Theories	3
	Statistics (Application of Statistics In Psychology)	2
	Biochemistry & Lab Work	3(2+1)
	Neuro-anatomy	3
	Sociology	2
Semester Cr. Hr.		20
Third Professional Year		
FIFTH	Behavioral Neuroscience	3
	Mental Health & Psychopathology	3
	Research Methodology I	3
	Psychological Testing & Measurement-I	3
	Personality Theories	3
Semester Cr. Hr.		15
SIXTH	Developmental Psychology	3
	Psychological Testing & Measurement II	3
	Research Methodology II	3
	Industrial/Organizational Psychology	3
	Data analysis Using SPSS	3
Semester Cr. Hr.		15

Fourth Professional Year		
SEVENTH	Clinical Psychology I	3
	Psychological Testing & Measurement	3
	Clinical Practice Field Work	3
	Research Report	3
	Data analysis Using SPSS	3
Semester Cr. Hr.		15
EIGHTH	Clinical Psychology II	3
	Clinical Practice Field Work	3
	Research Report	3
	Forensic Psychology	3
	Organizational Behavior	3
Semester Cr. Hr.		15
G. Total		139

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 BS Program of
 _____ 1st year Bilawal Medical College for academic session 2023-24 do hereby state
 on solemn affirmation / oath as under:

1. That, if, I am allowed admission in Bilawal Medical College on merit seat, 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.
2. 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.
3. 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 in 1st year(s) Degree & Diploma Program of _____, I shall complete the Course of Degree / Diploma Program of _____ year(s) containing _____ semesters. However, in case, I leave the Bilawal Medical College, LUMHS Jamshoro before completion of the Course, I shall be liable to penalty of Rs. 150,000/- (Rupees one Hundred and Fifty Thousand) only payable through Pay Order/Demand Draft in favour to Principal, Bilawal Medical College, LUMHS Jamshoro.
4. That, I also undertake not to involve myself in any kind of Political Activity throughout tenure in this college as a student and incase, I am found involved in such activities, the authority of the College/ University shall be at liberty to expel/ rusticate me and to cancel my admission.
5. 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 / Diploma Program is indicated in the Application Form.
6. 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 2023 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

ADMISSION CRITERIA

FORMULA FOR WORKING OUT OVERALL 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	550/1100 or 50.00%
b	Entry Test Marks	80/200 or 40.00%

A	HSC/A-Level Equivalent marks	$50.00\% \times 0.5 = 25.000$
B	Entry Test Marks	$40.00\% \times 0.5 = 20.000$
OVER ALL MERIT OF THE CANDIDATE		$A+B=25.000+20.0000 = 45.000$

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

No marks will be deducted incase of a gap year during studies.

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.



Admission Directorate
Bilawal Medical College for Boys,
LUMHS, Jamshoro

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