



**GULAB DEVI
EDUCATIONAL COMPLEX**

PROSPECTUS



POST GRADUATE DIPLOMA

M.B.B.S

DOCTOR OF PHARMACY

DOCTOR OF PHYSIOTHERAPY

BSC ALLIED HEALTH SCIENCE

BSC MEDICAL LABORATORY TECH.

BSC CARDIAC PERFUSION TECH.

BSC RESPIRATORY TECH.

BSC OPERATION THEATER TECH.

BSC EMER. & INTENSIVE CARE TECH.

BSC NUTRITION & DIETETICS

BSC MICROBIOLOGY

BSC BIOTECHNOLOGY

BSC BIOCHEMISTRY

BSC BIOINFORMATICS

BSC PHYSIOLOGY

DIP. IN PARAMEDICAL SC.

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قُلْ هَلْ يَسْتَوِي الَّذِينَ يَعْلَمُونَ وَالَّذِينَ لَا يَعْلَمُونَ إِنَّمَا يَتَذَكَّرُ أُولُوا الْأَلْبَابِ ٩

آپ ان سے پوچھیں کیا علم والے برابر ہیں لاعلموں کے، بے شک یہ چونکا دینے والی بات ہے غور و فکر والوں کے لئے

(آیت نمبر 9، سورۃ الزمر پارہ 23)

Say, "Are those who know equal to those who do not know?"

Only they will remember [who are] people of understanding.

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About GDEC

1000 STUDENTS ENROLLED IN CAMPUS
33 Years in Teaching
12 Institutes

WELCOME

Gulab Devi Educational Complex took place in 2005 in Gulab Devi Hospital. It is presently training doctors in the specialty of cardiology and chest – medical and surgical aspects besides producing allied health sciences doctor of physiotherapy and doctor of pharmacy professionals in related fields in a much larger number. I do not see those days very far off when in chest and cardiology these MBBS doctors and AHS staff along with DPT and Pharm D would become pioneers in detecting and devising optimal methods of management in these specialties especially geared for the indigenous presentations of these disease in our country.



Mr. Syed Shahid Ali Shah
Patron-in-Chief

As part and parcel of the Gulab Devi Educational Complex, you have an intrinsic role of contributing the best you can, in creating a comfortable home to dwell by harmoniously studying and cooperating with other students and staff within the framework stipulated by rules, regulations and Students By-Laws. The presence of all paraphernalia and infrastructure in respect of a good institute is well visible in this institute. In the last few years, it produced a host of best and bright graduates. In recognition of our status, we endeavor to ensure that we create and sustain an enabling environment under conditions that allow for a very diverse and cosmopolitan student body. I hope that GDEC will continue to scale new heights and our students will serve the society by utilizing their experiences in the vibrant academic environment of Gulab Devi Educational Complex.



Dr. Abid Ali
Project Director

YOUR PROFESSIONAL CAREER STARTS HERE



Mission

To produce graduates and postgraduates Doctors and develop Expertise in Medical Field.

Vision

To create environment conducive to research.

Values

Team Work
Respect
Motivation
Work / Life Balance



It is a matter of great pleasure for us that you are planning to join the Gulab Devi Educational Complex for your better future. Gulab Devi Educational Complex has proved its dedication to education in a historic perspective. It is an enterprising, forward looking seat of learning pledged to churn out versatile subject specialists. It blends academic strength and untapped facilities with responsible and dynamic atmosphere. We take pride to elevate the students to the heights of excellence so that they may pave the path of service to human kind's, progress and prosperity as an individual and a society member. The faculty of the institute is devoted to its profession and fully aware of the pulse of the time. It stands at the cutting edge of its disciplines and is well known for the teaching excellence. We'll, Inshallah, equip you for an era which is being rapidly reshaped by Science and Technology. Wishing you all the best,

Prof. Dr. Muhammad Zubair
Dean - Postgraduate Medical Institute

Gulab Devi Chest Hospital was established in 1934 and ever since it has been providing free treatment to the deserving and the under privileged. Over the past eight decade it has progressed and achieved various milestones. The most recent being its upgradation as a teaching hospital. Al-Aleem Medical College as such has been founded on the medical history of almost a century of professional experiences. The driving force which led to the establishment of this prestigious institution was our ambition to acquire highly qualified and experienced doctors for providing a medical care par excellence to our patients. Our students would this have a unique privilege of being exposed to the treatment if a large pool of patients. This would not only broaden their knowledge but also provide them with a medium for research under the guidance of an elite group of professors. Despite being affiliated to a very historic hospital, the college is being established in a purpose built state of the art infrastructure with the most modern and upto date apparatus and teaching aids. As such standards will be exposed to a remarkable blend a futuristic and antiquated buildings located in the center of Lahore. Welcome to a relationship and association that would last for many generations.

Prof. Dr. Hamid Hassan
Principal - Al - Aleem Medical College



Gulab Devi Educational Complex continues to exemplify and build on the vision of being a leading research intensive college in Pakistan: it is recognized for its quality, relevance and impact, as well as for creating knowledge, developing people and making a difference locally and globally. Doctor of Pharmacy (Pharm-D) program in Pakistan was impelled in 2003. The focus of this five year professional degree was to produce highly trained pharmacist especially in the field of clinical pharmacy. Most of the pharmacists in Pakistan are involved in pharmaceutical industries and the rest are serving in drug regulatory authorities, sales and marketing, community pharmacy, hospital pharmacy, research and development departments and as teaching faculties in different universities, colleges or institutes. Therefore, the prime focus of Pharm-D program is to train the pharmacy students as highly qualified pharmacists for different fields of pharmacy. With a robust infrastructure, competent management and dedicated teaching faculty, GDEC is an ideal institution for learning and practicing 21st century medical science.

Prof. Dr. Mobasher Ahmad Butt
Dean - Institute of Pharmacy

It is a pleasure for me and for this institute that you are planning to join Gulab Devi Institute of Physiotherapy under the umbrella of Gulab Devi Educational Complex, Lahore. Physiotherapy is a well-developed profession, Physiotherapist are autonomous professionals and are key players in the health care system. Gulab Devi Institute of Physiotherapy provide our students with extensive education, the best clinical expertise, hands on approach and train the students for customized treatment plan in accordance with the international standards. It has been achieved with good infrastructure and our own hospital through which students have been trained evidence based care in OPD as well as in orthopedic, neurological, gynecological, sports, cardiorespiratory, pediatrics, and other fields of physiotherapy.



Dr. Majid Kaleem
Principal - Institute of Physiotherapy

Gulab Devi Educational Complex is a popular and growing college and each year students join us from various colleges and institutes, as well as many from the wider Country and sometimes from well beyond too. When you join us, you can be assured we will invest time in you. We will give you all the support and encouragement you need to achieve the success you deserve and to create the future you want for yourself. We'll treat you with respect, take your views seriously and encourage you to be creative, make new friends and contribute to the wider community. In addition' to academic teaching, emphasis is also given to moral training, grooming and character building.



Prof. Dr. Abdul Rehman
Principal - Institute of Allied Health Science

ADMINISTRATION



Syed Shaid Ali Shah
Patron in Chief



Dr. Abid Ali
Project Director / Deputy Dean



Prof. Dr. Hamid Hassan
Principal - Al Aalam Medical College
MBBS



Prof. Dr. Muhammad Zubair
Dean - PGMI
MBBS, FRCP, FACC, FRCP
Professor of Cardiology



Dr. Ijaz Bhatti
Director Education - PGMI
MBBS, MRCP, FCPS, Dip. Card



Prof. Dr. Mobasher Ahmad Butt
Dean - Institute of Pharmacy
B.Pharm, M. Pharm, MPhil (Ph), PhD (Wales UK)



Prof. Dr. Abdur Rehman
Principal - Institute of Allied Health Sciences
MBBS, DCP, M.Phil



Dr. Lubna Zubair
Vice Principal - Institute of Allied Health Sciences
MBBS, FCPS



Dr. Majid Kaleem
Principal - Institute of Physiotherapy
MBBS, FCPS, Dip. Card



Dr. Muhammad Aqeel ur Rahman
Chief Controller Examination
MBBS, DTCD



Dr. Muhammad Irfan Malik
Chief Coordinator - Institute of Bio Sciences
MBBS, Dip. Card



Dr. Usman Ali Rahman
Chief Coordinator - Institute of AHS
MBBS, FCPS, Gen. Surgery



Dr. Afzal Ullah Khan
Director Institute of Bioinformatics
MBBS, DTCD



Dr. Fareeda Ijaz
Director - Institute of Human Nutrition & Dietetics
MBBS, DTCD



Dr. Attiya Qayyum
Director - Institute of Microbiology
MBBS, (Ph), MSIM (France)



Dr. Wajahat Nabi
Director - Institute of Biochemistry
MBBS, DTCD



Dr. Hareem Hamid
Director - Institute of Physiology
MBBS



Dr. Abdul Rasheed Qureshi
Director - Institute of Biotechnology
MBBS, DTCD



Dr. Tariq Lodhi
Director Paramedical Sciences



Mr. Asad Ullah Hashmi
Chief Admin. Officer
B.S. Operation Management, MBA (HRM)



Mr. Khalid Mahmood Khalid
Chief Public Relation Officer
BA, MA



Mr. Shan ul Haq
Chief Office Superintendent
Bachelors



Mr. Muhammad Nabeel ur Rahman
Finance Officer
MBA (Banking & Finance) - Mphil Management



Mr. Usman Ali Shah
Admin. Officer - Inst. of Pharmacy
MA (Pol.Sc), MBA (HR)



Mr. Israr Ahmad
IT Officer
BE Telecommunication



Mr. Altaf Feroz
Accounts Officer
B.Com, MBA (Finance)

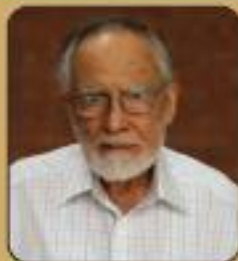


Mr. Shehroze Ali
Accountant
B.Com, M.Com*



Mr. Shafzullah
Librarian

FACULTY



Prof. Dr. Muhammad Zubair
Professor of Cardiology
MBBS, FRCP, FACC



Prof. Tasneem Raza
Professor of Anatomy
MBBS, M. Phil. Anatomy



Prof. Nasreen Javaid
Professor of Pharmacology
MBBS, M. Sc. Pharmacology



Prof. Masood Ahmad Cheema
Professor of Cardiac Surgery
MBBS, FRCS, FCPS



Prof. Nusrat Waqar
Professor of Physiology
MBBS, M. Phil Physiology



Prof. Abdur Rehman
Associate Prof. Pathology
MBBS, DCP, M. Phil



Prof. Aamir Raheem
Professor of Radiology
MBBS, DMRD FCPS Radiology



Prof. Dr. Mobasher Ahmad Butt
Dean - Institute of Pharmacy
B.Pharm, M. Pharm, M.Phil (Ph), PhD (Wales UK)



Dr. Tariq Lodhi
Senior Registrar Cardiology
MBBS, Dip. Card



Dr. Majid Kaleem
Associate Professor of Cardiology
MBBS, FCPS, Dip. Card



Dr. Zubair Ahmad Qureshi
Associate Prof. Anesthesiology
MBBS, Diploma in Anesthesiology



Dr. Ijaz Bhatti
Assistant Professor of Cardiology
MBBS, MRCP, FCPS, Dip. Card



Mr. Muhammad Anif
Director Education
Asst. Prof. Physiotherapy
B.Sc., D.P.T., PDPT



Dr. Imran Hanif
Vice Principal - Al Azeem Medical College
MBBS, FCPS Cardiology



Dr. Hareem Hamid
Director - Institute of Physiology
MBBS



Dr. Tahir Haseeb
Asst. Professor Pharmacotics
Pharm-D, M.Phil (Pharmacotics), PhD*



Dr. Lubna Zubair
Assistant Professor Obs. & Gynaecology
MBBS, FCPS



Dr. Muhammad Aqeel ur Rahman
Chief Controller Examination
MBBS, DTCD



Dr. Muhammad Irfan Malik
Chief Coordinator - Institute of Bio Sciences
MBBS, Dip. Card



Dr. Usman Ali Rehman
Chief Coordinator - Institute of AHS
MBBS, FCPS, Gen. Surgery



Dr. Ahsan Hafeez
Senior Registrar Cardiology
MBBS, Dip. Card



Dr. Ayesha Tufail Qureshi
Demonstrator Biochemistry
B.Sc., MBBS



Dr. Humaira Yousuf
Demonstrator Anatomy
MBBS



Dr. Muhammad Hafeez
Senior Lecturer
BSPT, PPDP/MPHI



Dr. Ali Raza
Asst. Prof. Cardiac Surgery
MBBS, Diplomate American Board of Thoracic Surgery



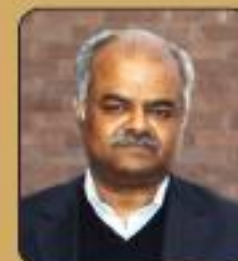
Dr. Farhan Khalid
Asst. Prof. Disaster Management
District Officer Multan Rescue 1122
MBBS, Master in Health Administration



Dr. Amna Sohail
Asst. Prof.
MBBS



Dr. Zaheer Akhtar
Associate Prof. Pulmonology
MBBS, FCPS



Dr. Afzal Ullah Khan
Asst. Prof. Pulmonology
MBBS, DTCD



Dr. Nadeem Riaz
Asst. Prof. Histopathology
MBBS, M. Phil (Histopathology)



Dr. Attiq Qayyum
Director - Institute of Microbiology
MBBS (Pb), MSBM (France)



Dr. Muhammad Inan
Assist. Prof. Pulmonology
MBBS, DTCD



Dr. Asif Javali
Senior Registrar Cardiology
MBBS, Dip. Card



Dr. Ijaz Nasir
Chest Specialist/Incharge Chest Unit
MBBS, DTCD, CHM, DHRM



Dr. Zohab Rafay
Assistant Professor
Pharm D, Ph.D* Pharmaceutical Chemistry



Dr. Muhammad Wajid
Assistant Professor
Pharm D, M.Phil Pharmaceutical Chemistry



Dr. Abdul Rasheed Qureshi
Director - Institute of Biotechnology
MBBS, DTCD



Dr. Hassan Abbas
Senior Registrar Cardiology
M.B.B.S., M.R.C.P. (UK)



Mr. Muhammad Jameel
Senior Lecturer
BSPT, PPDP, M.Phil



Mr. Sanaullah
Principal Paramedics
B.Sc (Hons) CPT, M.Phil*



Mr. Umer Aftab
Asst. Controller Examiner
B.Sc (Hons) EdCU, M.Phil, PhD*



Mr. Mugheez Ahmad
Coordinator MLT
B.Sc Honours, MLT



Mr. Usman Javed Iqbal
Assistant Professor
B.Sc. (Hons) MSPH, PhD*



Miss Faadia Andaleeb
Coordinator RT
B.Sc (Hons), RT, MBA Health Management*



Miss Madhia Azam
Coordinator OTT
B.Sc OTT



Mr. Hafiz Ali Hassam
Asst. Professor Microbiology
M.Phil Microbiology



Mr. Khalid Wahmood Khalid
Chief Public Relation Officer
BA, MA



Mr. Israr Ahmad
IT Officer
BE Telecommunication



Miss Sadaf
Lecturer
M.A. English



Mr. Ijaz Bhatti
Demonstrator AHS
B.Sc. (Hons) CPT



Miss Sumaira Anwar
Demonstrator Physiology
B.Sc (Hons), RT, M.Phil*



Miss Saman Omar
Associate Professor Biochemistry
M.Sc Biochemistry



Dr. Khizra Kazmi
Lecturer
B.Sc (Hon), DPT



Miss Sidra Munir
Lecturer Biotechnology
M.Sc Biosciences



Miss Aneba Riaz
Demonstrator CPT
B.Sc (Hon), CPT



Mr. Khalid Mehmood
Demonstrator AHS
B.Sc. (Hons) MLT



Dr. Aamir Mushtaq
Assistant Professor
Pharm D, PhD* Pharmacology



Mr. Sohail Akbar
Lecturer Biotechnology
B.Sc (Hons) Biotech, M.Phil



Miss Hafsa Azam
Demonstrator Biochemistry, M.Phil*
B.Sc (Hons), RT



Mr. Ahsan Arif
B.Sc. (Hons) RT
Demonstrator AHS



Miss Maryam Manzoor
Coordinator ES&ICU
B.Sc (Hons), E&ICU



Miss Sobia Mughal
Demonstrator CPT
B.Sc (Hons), CPT



Miss Sidra Khan
Demonstrator Biotechnology
B.Sc Biotechnology



Dr. Salma Rafique
Lecturer
DPT



Mr. Muhammad Ahmad
Demonstrator
B.Sc (OTT)



Mr. Nasir Farooq
Demonstrator AHS
B.Sc MLT, PGD



Miss Madiha
Demonstrator Microbiology
B.Sc MLT



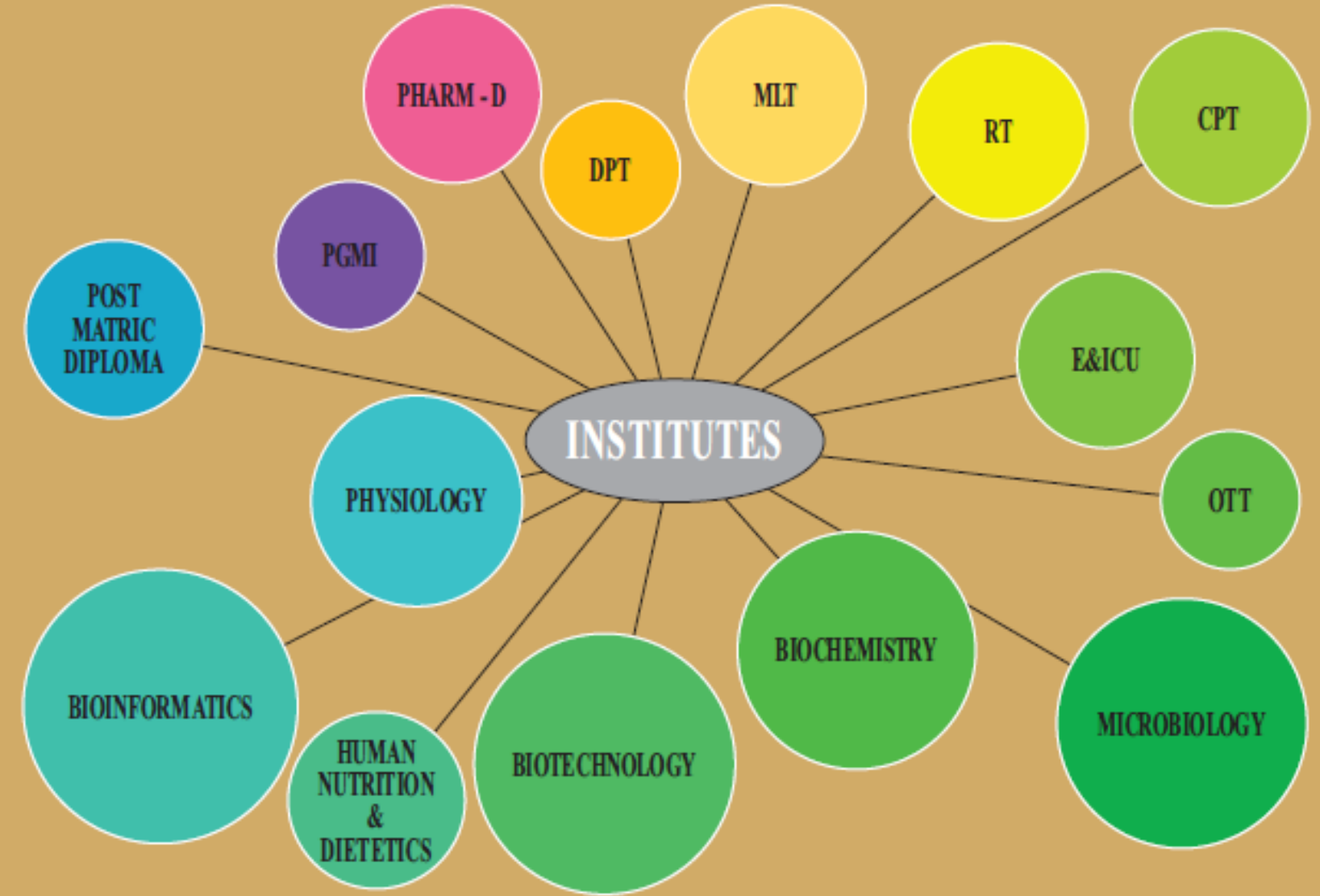
Mr. Faizan Mumtaz
Demonstrator HND
B.Sc ES&ICU, MPH*



Dr. Waqas Hussain
Lecturer
M.Phil Behavior Science



Mr. Mateen Ahmad
Lecturer HND
B.Sc Food Sc. M.Phil Food Sciences





CELEBRATING STUDENT'S SUCCESS

Komal Babar
OTT

Yohoo !! I have done B.Sc OTT from Gulab Devi Educational Complex, Great Facilities, Great Environment, Great Intellectual Capital and Faculty is superb. The bucket of knowledge with vast experience of faculty forces you to pay full attention during lectures. Yeah I am Gulab Devian.

Rajab Ali

Being a Pioneer student in institute means you have to suffer a lot throughout the student life, but Gulab Devi is institute with proper Infrastructure helps us to understand each and every aspect of professional career. Now I am enjoying job in Shaikat Khanam Memorial Hospital and Proudly Gulab Devian.

RAJAB
ALI

Ayesha
MLT, PhD

When I started at GDEC I was depressed as my parents had different dreams for me, just like any other passionate student I wanted to enroll in Medical. But I found that faculty was very welcoming. Motivational backup of teachers helped us to improve CGPA. After completion of degree I got job in different Medical Labs across the country. Currently I am doing PhD to secure my future.

KOMAL
BABAR

Sundas Ateeq

After not being qualified for MBBS, I got admission in GDPGM in Bsc (Hons.) E&ICT. Here I persuade my dream to be a part of health care system. Being in a pioneer batch of institute, the whole responsibility was on us for its success and glory. The competent and affectionate teachers of GDPGM played a key role in building a strong base of medical knowledge which ultimately led to a Post-Graduated diploma in Respiratory.

AYESHA
AFZAL

SUNDAS
ATEEQ

WHY CHOOSE GULAB DEVI EDUCATIONAL COMPLEX

ELECTRICITY

24/7 Generator
Backup

URBAN

Located in the
Heart of Lahore

ACCESS

Metro Station
No. 18



HOW TO APPLY

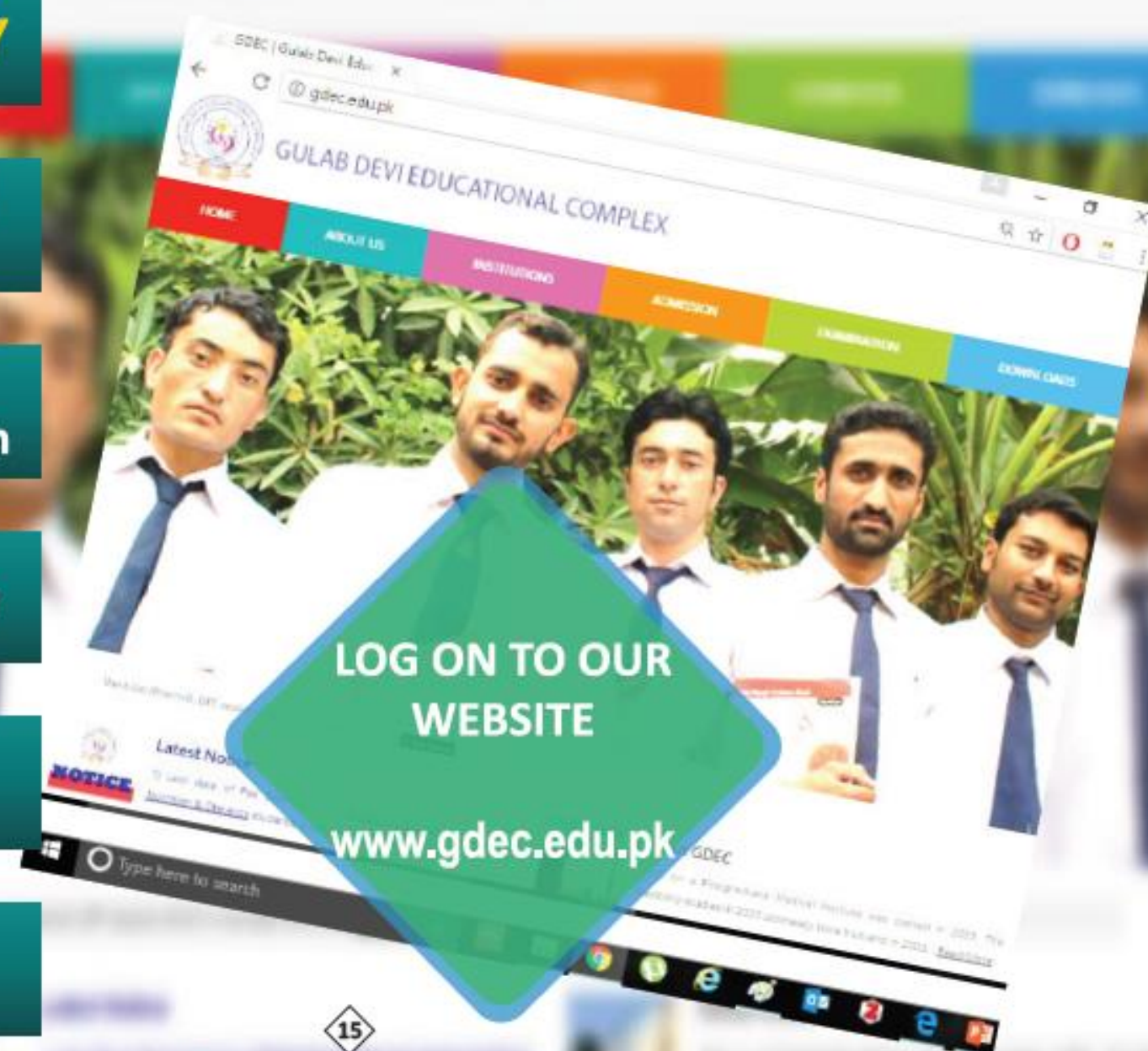
Buy or Download
Prospectus

Attend Student
Counselling Session

Fill & Submit Form

Entry Test

Merit List



POST GRADUATE MEDICAL INSTITUTE

DESCRIPTION

Diploma in Cardiology and Diploma in Tuberculosis & Chest Diseases were started for postgraduate Doctors in 2005-2006 session. These diploma courses are presently in progress successfully. Research publications by postgraduate doctors are also in the offing and each postgraduate doctor has been allocated his field of research and specific topic allotments is under process. The Postgraduate Diploma in Cardiology is a two-year course that aims to equip physicians to provide intermediate level and emergency cardiac care to outpatients as well as inpatients in peripheral hospitals. At the end of this program, a Dip. Card. trainee will be able to recognize common cardiac conditions, appropriately manage common cardiac conditions (including cardiac emergencies), identify patients that need to be referred for further diagnostic workup or management, become familiar with invasive and non invasive cardiac procedures

ELIGIBILITY: DIP.CARD

M.B.B.S + 1 year experience in General Medicine as
M.O / H.O
or
6 months in Cardiology & 6 months in Allied
Specialty

ELIGIBILITY: DTCD

M.B.B.S + 1 year experience in Chest Diseases as
M.O / H.O
Or
6 months in Chest Medicine & 6 months in General
Medicine.
Or
1 year in General Medicine as M.O / H.O



DURATION

2 YEARS

ELIGIBILITY
AS PER UHS

AFFILIATION

UHS

POST
GRADUATE
DIPLOMA

INSTITUTE OF PHARMACY

DISCRIPTION

Pharmacy is an interdisciplinary field of science covering each and every aspect related to drug. The profession of Pharmacy has now evolved from the traditional compounding and dispensing of drugs to the most advance clinical aspects of drugs and patient care system. The health care system in most of the developing countries has been lacking the appropriate facilities, systems and procedures for the prescribing the medicine. Therefore, a highly educated and skilled Pharmacist is compulsory to solve these issues and also to eradicate the drug related problems. The prime focus of Pharm-D program is to train the pharmacy students as highly qualified pharmacists for different fields of pharmacy.

OPPORTUNITY

- ◆ Industrial Pharmacy
- ◆ Hospital Pharmacy
- ◆ Clinical Pharmacy
- ◆ Community Pharmacy
- ◆ Drug Regulatory Authority of Pakistan (DRAP)
- ◆ Drug Testing Laboratories
- ◆ Health Ministry
- ◆ Teaching
- ◆ Drug Court

DISCIPLINES

Pharmaceutics

Pharmacology

Pharmaceutical
Chemistry

Pharmacognosy

Pharmacy
Practice



DURATION

5 YEARS



ELIGIBILITY

60% IN FSc.



AFFILIATION

UNIVERSITY OF
PUNJAB

DOCTOR OF PHARMACY

INSTITUTE OF PHARMACY

1ST PROF.

THEORY

- ◆ Pharmaceutical Chemistry-I (Organic)
- ◆ Pharmaceutical Chemistry-II (Biochemistry)
- ◆ Pharmaceutics-I (Physical Pharmacy)
- ◆ Physiology
- ◆ Anatomy & Histology
- ◆ English

PRACTICAL

- ◆ Pharmaceutical Chemistry-I (Organic)
- ◆ Pharmaceutical Chemistry-II (Biochemistry)
- ◆ Pharmaceutics-I (Physical Pharmacy)
- ◆ Physiology
- ◆ Anatomy & Histology

THEORY

- ◆ Pharmaceutics-II (Dosage Forms Science)
- ◆ Pharmacology and Therapeutics-I
- ◆ Pharmacognosy-I (Basic)
- ◆ Pharmaceutics-III (Pharmaceutical Microbiology & Immunology)
- ◆ Pakistan St. & Islamic St. (Compulsory)
- ◆ Pharmacy Practice-I (Pharmaceutical Mathematics and Biostatistics)

PRACTICAL

- ◆ Pharmaceutics-II (Dosage Forms Science)
- ◆ Pharmacology and Therapeutics-I
- ◆ Pharmacognosy-I (Basic)
- ◆ Pharmaceutics-III (Pharmaceutical Microbiology & Immunology)

3RD PROF.

THEORY

- ◆ Pathology
- ◆ Pharmacology and Therapeutics-II
- ◆ Pharmacognosy-II (Advanced)
- ◆ Pharmacy Practice-II (Dispensing, Community, Social & Administrative Pharmacy)
- ◆ Pharmaceutical Chemistry-III (Pharmaceutical Analysis)
- ◆ Pharmacy Practice -III (Computer and its Applications in Pharmacy)

PRACTICAL

- ◆ Pathology
- ◆ Pharmacology and Therapeutics-II
- ◆ Pharmacognosy-II (Advanced)
- ◆ Pharmacy Practice-II (Dispensing, Community and Social & Administrative Pharmacy)
- ◆ Pharmaceutical Chemistry-III (Pharmaceutical Analysis)
- ◆ Pharmacy Practice -III (Computer and its Applications in Pharmacy)

4TH PROF.

THEORY

- ◆ Pharmacy Practice-IV (Hospital Pharmacy)
- ◆ Pharmacy Practice -V (Clinical Pharmacy-I)
- ◆ Pharmaceutics-IV (Industrial Pharmacy)
- ◆ Pharmaceutics-V (Biopharmaceutics and Pharmacokinetics)
- ◆ Pharmaceutics-VI (Pharmaceutical Quality Mgmt.)

PRACTICAL

- ◆ Pharmacy Practice -V (Clinical Pharmacy-I)
- ◆ Pharmaceutics-IV (Industrial Pharmacy)
- ◆ Pharmaceutics-V (Biopharmaceutics and Pharmacokinetics)
- ◆ Pharmaceutics-VI (Pharmaceutical Quality Management)

5TH PROF.

THEORY

- ◆ Pharmaceutical Chemistry-IV (Medicinal Chemistry)
- ◆ Pharmacy Practice -VI (Advanced Clinical Pharmacy-II)
- ◆ Pharmaceutics-VII (Pharmaceutical Technology)
- ◆ Pharmacy Practice -VII (Forensic Pharmacy)
- ◆ Pharmacy Practice-VIII (Pharmaceutical Management and Marketing)

PRACTICAL

- ◆ Pharmaceutical Chemistry-IV (Medicinal Chemistry)
- ◆ Pharmacy Practice -VI (Advanced Clinical Pharmacy-II)
- ◆ Pharmaceutics-VII (Pharmaceutical Technology)

INSTITUTE OF PHYSIOTHERAPY

DISCRIPTION

Besides this classes for Doctor of Physiotherapy were started in 2013 in affiliation with University of Sargodha. The students of DPT have one laurels at the record of University of Sargodha. The institute will be the leader in the provision of an intellectual environment for innovative teaching, learning and research in the field of Physical therapy and Rehabilitation. It will produce competent, critical, reflective and accountable health care professionals well equipped to work in the community.

OBJECTIVES:

- ◆ To provide an environment for research in physiotherapy.
- ◆ To enhance professional communication skills of physical therapy students.
- ◆ To equip student with updated knowledge and skills in physical therapy.
- ◆ To deliver physical therapy services to the community.

DISCIPLINES

**Orthopedic
Manual PT**

**Neuromuscular
PT**

**Cardiopulmonary
PT**

Sports PT

**Pain
Management**

22


DURATION
5 YEARS


ELIGIBILITY
55% IN FSc.


AFFILIATION
UNIVERSITY OF
SARGODHA

**DOCTOR OF
PHYSIOTHERAPY**

23

INSTITUTE OF PHYSIOTHERAPY

1ST PROF.

- ◆ Anatomy I
- ◆ Physiology I
- ◆ Biochemistry I
- ◆ Kinesiology & Muscle Testing
- ◆ English
- ◆ Introduction to Computer

2ND PROF.

- ◆ Anatomy II
- ◆ Physiology II
- ◆ Biochemistry II
- ◆ Biomechanics & Ergonomics
- ◆ Islamic Study
- ◆ Pakistan Study

3RD PROF.

- ◆ Pathology & Microbiology
- ◆ Pharmacology
- ◆ Physical Agents & Electrotherapy Including Medical Physics
- ◆ Therapeutics Exercise & Techniques & Manual Therapy
- ◆ Behavioral Sciences

4TH PROF.

- ◆ Medicine Including Radiology & Imaging
- ◆ Clinical Decision Making & Differential Diagnosis
- ◆ Physical Therapy Treatment & Techniques I
- ◆ Community Medicine Including Biostatistics & Research Methodology
- ◆ Evidence Based Physical Therapy & Professional Practice

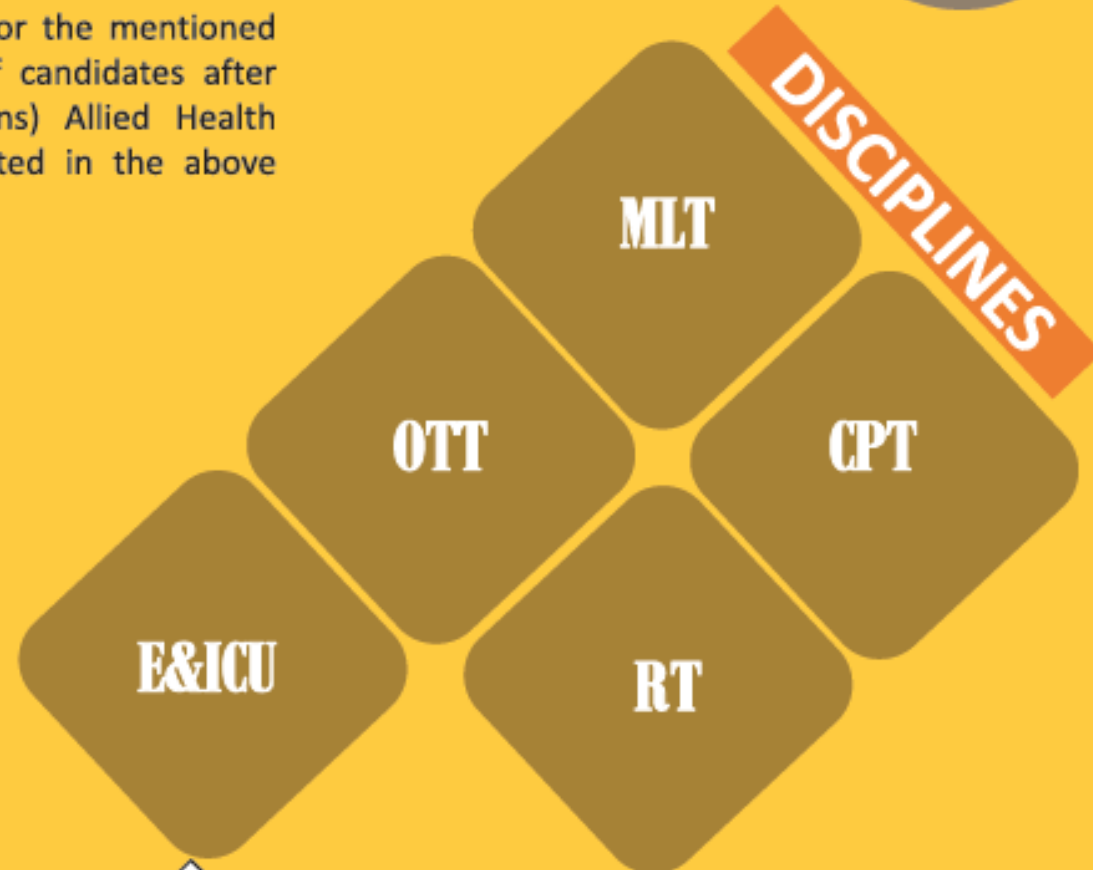
5TH PROF.

- ◆ Surgery
- ◆ Emergency Procedure & Primary Care n Physical Therapy
- ◆ Physical Therapy Treatment Technique II
- ◆ Prosthetic & Orthotics Human Development & Community Based Rehabilitation
- ◆ Exercise Physiology & Health & Wellness

INSTITUTE OF ALLIED HEALTH SCIENCES

DESCRIPTION

The Gulab Devi Educational Complex also enthusiastically responded by commencing training and education for Allied Health Professionals. Admission to aspirants for the mentioned courses were given to a sizeable number of candidates after careful selection on merit. Thus B.Sc. (Hons) Allied Health Sciences Courses of 4 years each have started in the above mentioned disciplines since 2007.



DURATION
4 YEARS

ELIGIBILITY
50% IN FSc.

AFFILIATION
UNIVERSITY OF
HEALTH SC.

**BSc (Hons)
ALLIED HEALTH
SCIENCES**

MEDICAL LABORATORY TECHNOLOGY

DESCRIPTION

Four year course equipping its students with the necessary knowhow of the laboratory technology which has in the recent past shown phenomenal progress in the world. Due to the prolific emergence of new techniques in laboratory technology, a need was felt to instruct and train lab technologists with a four year course to produce medical technologists who could handle these procedures and so become instrumental in improving the diagnostic precision of disease states of the patients.

OPPORTUNITY

The graduates in this field find ample positions in private labs and after a few years training in good standard labs of public and private sectors are likely to be offered lucrative salaries abroad especially in the Gulf countries. These B.Sc (Hons) Allied Health Sciences in the discipline of Medical Lab Technology qualifications also make them eligible for continuing M.Phil in this specialty. They can thus pursue teaching line and also contribute in research.

1st Year

Theoretical

- Basic Anatomy
- Basic Physiology
- Basic Biochemistry
- General Pathology
- Behavioral Sc.
- Islamiat & Pak St.
- Computer Education

Practical

Hand on training in basic techniques related to the discipline.

2nd Year

Theoretical

- Hematology and Blood Banking
- Histopathology and Cytopathology

Practical

Hand on training in laboratory techniques in above mentioned disciplines

3rd Year

Theoretical

- Microbiology
- Chemical Pathology
- Immunology And Serology

Practical

Hand on rotational training in laboratory techniques in above mentioned disciplines

4th Year

Theoretical

- **Elective Subjects**
Immunohematology
Advance Clinical Chem.
Clinical Microbiology
Advanced Clinical Immunology
Medical Genetics
Molecular Biology
- Biostatistics & Research Methodology

Practical

Advanced lab training related to elective subjects. Research assignments related to elective subjects



DURATION

4 YEARS



ELIGIBILITY

50% IN FSc.



AFFILIATION

UNIVERSITY OF
HEALTH SC.

MLT

CARDIAC PERFUSION TECHNOLOGY

DESCRIPTION

Heart is an important and vital organ of the body. When it is diseased it sometimes needs surgical manipulation and treatment. The cardiac surgeon in many cases can only repair the heart when the heart stops beating and during this functional cessation, its functions are performed by the artificial heart lung machine – this heart lung machine operation in various diseases falls in the purview of the Cardiac Percussionist who is skillful in providing and substituting the functions of the heart and lung during the operating period by employing the heart lung machine.

OPPORTUNITY

This specialty is getting very popular because of the increased prevalence of diseases requiring cardiac surgical operations with the employment of heart lung machine. Its specific training is geared for most of its action and performance within the cardiac surgical theatres and cardiac surgical postoperative intensive care units. After a few years of training subsequent to graduation within the country, the prospects for important jobs with in this field in the Gulf countries and abroad are very bright.

1st Year

Theoretical

- Basic Anatomy
- Basic Physiology
- Basic Biochemistry
- General Pathology
- Behavioral Sc.
- Islamiat & Pak St.
- Computer Education

Practical

Hand- on training in basic cardiac perfusion techniques

2nd Year

Theoretical

- Cardiovascular Anatomy & Physiology
- Cardiovascular Microbiology & Hematology

Practical

Hand- on training in cardiac perfusion techniques

3rd Year

Theoretical

- Cardiopulmonary Diseases & Surgical Treatments
- Cardiovascular Pharmacology & Physics
- Perfusion Tech. I

Practical

Hand- on rotational training in cardiac perfusion techniques

4th Year

Theoretical component

- Perfusion Tech. II
- Medical Statistics & Research Methodology

Practical

- Advanced training related to cardiac perfusion techniques
- Research Report writing related to the subject of interest of the student

DURATION

4 YEARS

ELIGIBILITY

50% IN FSc.

AFFILIATION

UNIVERSITY OF
HEALTH SC.

CPT

OPERATION THEATRE TECHNOLOGY

DESCRIPTION

The discipline comprises four years training in surgical wards of virtually all type of surgical specialties. Basically the idea originated in the Western countries due to escalating economic costs of surgical procedures as a result of high prices of technical manpower hours of the surgeon's first and second assistants who initially used to be doctors and medical graduates. The four year instruction and training equipped these surgical assistants with the necessary knowhow to act as first and second assistants to the surgeon.

OPPORTUNITY

This is a new surgical tier which is soon expected to be in vogue in our country in emulation of the west. Currently, most of these graduates after obtaining experience in various surgical specialties for a couple of years after graduation would find lucrative salaries in the Gulf counties. They can also enter teaching line and pursue M.Phil in surgical specialties in various countries; establishment of such further education is also in the pipeline in our own country.

1st Year **Theoretical**

- Basic Anatomy
- Basic Physiology
- Basic Biochemistry
- General Pathology
- Behavioral Sc.
- Islamiat & Pak St.
- Computer Education

Practical

Hand on training in Basic Operation Theatre techniques

2nd Year

Theoretical Physics

- Microbiology and Pharmacology

Practical

Hand- on training in Operation Theatre techniques.

3rd Year **Theoretical**

- Sterilization and Disinfection
- O.T Instruments & Equipment
- O.T Technology I

Practical

Hand- on rotational training in Operation Theatre techniques in above mentioned disciplines.

4th Year

Theoretical

- Operation Theatre Technology II
- Medical Statistics & Research Methods

Practical

- Advanced training in O.T techniques
- Rotation of students in Dept. of Medicine and Surgery
- Research Report.



DURATION

4 YEARS



ELIGIBILITY

50% IN FSc.



AFFILIATION

UNIVERSITY OF
HEALTH SC.

OTT

RESPIRATORY THERAPY

DESCRIPTION

Four years theoretical instruction and practical training in managing pulmonary diseases by means of drugs, physical maneuvers, inhalation of mist and gaseous drugs. Pollution and smoking being rampant in our country coupled with poor housing and cramped conditions in winter – the scenario make our population very vulnerable to pulmonary diseases. The doctors serve to diagnose and prescribe medicines and breathing exercises and nebulizers and postural drainage of lungs. All these modalities of treatment require painstaking effort and time which the Respiratory Therapy has special training to cater for. The modern Intensive Care Units have patients requiring ventilators invasively & non invasively. These ventilators give artificial respiration to the patient. The management of such patients respiratory status is the specialized domain of the Respiratory Therapist who works in coordination with the medical doctors.

OPPORTUNITY

After graduation and a few years practical training in good Intensive Care Units these personnel find lucrative salaries abroad and specially in the Gulf counties.

34

1st Year

Theoretical

- Basic Anatomy
- Basic Physiology
- Basic Biochemistry
- General Pathology
- Behavioral Sc.
- Islamiyat & Pak St.
- Computer Education

Practical

Hand on training in basic respiratory therapy techniques

2nd Year

Theoretical

- Cardiorespiratory Anatomy & Physiology
- Cardiorespiratory Microbiology and Pharmacology
- Respiratory Care Techniques

Practical

Hand on training in respiratory therapy techniques

3rd Year

Theoretical

- Cardiorespiratory Diseases
- General Respiratory Care
- Pediatrics
- Respiratory Care

Practical

Hand on rotational training in R.T techniques in above mentioned disciplines.

4th Year

Theoretical

- Special Respiratory Care
- Medical Statistics & Research Methods

Practical

Advanced training in departments of Pulmonology
Students rotation in Medicine & Surgery Dept.
Research Report



DURATION

4 YEARS



ELIGIBILITY

50% IN FSc.



AFFILIATION

UNIVERSITY OF
HEALTH SC.

RT

35

EMERGENCY & INTENSIVE CARE TECH.

DESCRIPTION

Emergency & intensive care technology ultimately equips the students to handle medical & emergency patients of a wide array. The management of most serious patients who require a ventilator support due to transient disease states impairing the function of respiration also forms an important part of their training and instruction.

OPPORTUNITY

Their training in managing medical and surgical emergencies makes their scope very broad in hospitals as all hospitals need such personnel to run their emergency departments. They can be employed to work in any natural disaster situation like earthquakes, cyclones, management of war casualties and displaced persons rehabilitation and management come within their scope. They can become important members of disaster management and build active teams perpetually in a state of preparedness to meet any disaster like earthquakes, floods, cyclones etc.

1st Year

Theoretical

- Basic Anatomy
- Basic Physiology
- Basic Biochemistry
- General Pathology
- Behavioral Sc.
- Islamiat & Pak St.
- Computer Education

Practical

Hand on training in basic Emergency & Intensive Care technique

2nd Year

Theoretical

- Basic Pharmacology & Microbiology
- Physics & Disaster Management

Practical

Hand on training in Emergency and Intensive Care techniques

3rd Year

Theoretical

- Trauma Emergency & Intensive Care
- Medical & Surgical Emergencies And Intensive Care

Practical

Hand on rotational training in Emergency & Intensive Care techniques in above mentioned disciplines.

4th Year

Theoretical

- Pediatric E&ICU
- Obstetrical E&ICU
- Medical Statistics & Research Methodology

Practical

Advanced training related to Emergency and Intensive Care in above mentioned disciplines. Research Report writing related to the subject of interest of the student



DURATION

4 YEARS



ELIGIBILITY

50% IN FSc.



AFFILIATION

UNIVERSITY OF
HEALTH SC.

E&ICU



INSTITUTE OF CLINICAL NUTRITION & DIETETICS

DESCRIPTION

Nutrition science is emerging discipline in Pakistan's perspective that can achieve miracles if handled properly. In addition, the function of a nutritionist is to elicit, integrate, disseminate and apply scientific knowledge drawn from the relevant sciences, to promote an understanding of the effects of nutrition, and to enhance the impact of food on health and well-being of people.

- ◆ Counsel individuals and groups on nutritional practices designed to promote health and prevent disease.
- ◆ Teach nutrition to those training to be nutritionists or dietitians as well as other health professionals.
- ◆ Work with media to educate the public regarding the role of nutrition in health promotion and disease prevention.
- ◆ Conduct basic or applied nutrition research as the primary investigator or as a member of a multidisciplinary team.
- ◆ Work with the government in developing policies related to nutrition.
- ◆ Work with the food industry to develop nutritionally sound products and advertisements for their products.

1st Semester

- Intro to Food Science & Tech.
- Principles of Human Nutrition
- Functional English
- Intro to Computing Application
- Pakistan Studies
- Introduction to Psychology
- Essentials of Biochemistry

2nd Semester

- Community Nutrition
- Food processing & Preservation
- Fundamentals of Halal Foods
- Food Microbiology
- English composition & comprehension
- Islamic Studies / Ethics

3rd Semester

- Dietetics I
- Contemporary nutrition
- Metabolism of Nutrients
- Analytical Tools in Food & Nutrition
- General Human Anatomy
- General Pathology
- Introduction to Biotechnology

4th Semester

- Dietetics II
- Life Cycle Nutrition
- Food Safety & Toxicology
- Assessment of Nutritional status
- Applied Anatomy
- Intro to Statistical Theory

5th Semester

- Nutrients Drugs Interaction
- Functional Foods & Nutraceuticals
- Meal planning & management
- Nutrition in Emergency
- Nutritional Biochemistry
- Functional Anatomy & Physiology-I

6th Semester

- Clinical and Therapeutic Nutrition
- Diet Modeling and Counseling
- Vitamins & Minerals in Nutrition
- Biochemistry of Diseases
- Functional Anatomy and Physiology-I
- General Pharmacology

7th Semester

- Medical Nutrition Therapy
- Nutrition in exercise & sports
- Nutritional Deficiency Disorders
- Infant and Young Child Feeding
- Research Projects and Scientific Writing
- Nutrition Policy & Public Health

8th Semester

Internship



DURATION

4 YEARS



ELIGIBILITY

45% IN FSc.



AFFILIATION

GOVT. COLLEGE
UNIVERSITY FSD.

**BSc (Hons) HUMAN
NUTRITION &
DIETETICS**

INSTITUTE OF MICROBIOLOGY

DESCRIPTION

Microbiology is a broad discipline that involves the study of the biology of bacteria, viruses, protozoa and fungi. Genetic engineers are using bacteria and viruses to clone eukaryotic genes to study and treat human genetic disorders. Vaccines are being developed for diseases such as AIDS, Legionnaire's disease. In the areas of biotechnology, agriculture and food production, microbes are continually exploited for the benefit of man. Microbiologists are needed to do the research required for the future battle against diseases worldwide and to exploit microbes in the production of food.

OPPORTUNITY

- ◆ Bacteriologist
- ◆ Industrial Microbiologist
- ◆ Virologist
- ◆ Mycologist
- ◆ Biomedical Scientist
- ◆ Proto Zoologist
- ◆ Immunologist and Geneticist

1st Semester

- General Microbiology I
- Introductory biochemistry
- Cell Biology
- Mathematics-I
- Functional English
- Islamic Studies / Ethics

2nd Semester

- General Microbiology II
- Microbial Anatomy & Physiology
- Microbial Taxonomy
- Basic Pathology
- English Comprehension and Composition
- Pakistan Studies

3rd Semester

- Immunology
- General Virology
- Fundamentals of Mycology
- Biosafety and Risk Mgmt.
- Communication Skills
- Introduction to Computing Applications

4th Semester

- Systemic Bacteriology
- Systemic Virology
- Techniques in Parasitology
- Fundamentals of Epidemiology & Public Health
- Biostatistics
- Technical Writing

5th Semester

- Food and Dairy Microbiology
- Cell and Tissue Culture Tech.
- Microbial Enzyme Technology
- Molecular Biology
- Agricultural Microbiology
- Management of Infectious Waste

6th Semester

- Vaccinology
- Environmental Microbiology
- Medical Microbiology
- Veterinary Microbiology
- Pharmaceutical Microbiology
- Microbial Biodegradation and Bioremediation

7th Semester

- Clinical Microbiology
- Plant Microbiology
- Marine & Fresh water Microbiology
- Industrial Microbiology
- Research Methodology
- English for Employment

8th Semester

Internship



DURATION

4 YEARS



ELIGIBILITY

45% IN FSc.



AFFILIATION

GOVT. COLLEGE
UNIVERSITY FSD.

**BSc (Hons)
MICROBIOLOGY**

INST. OF BIOTECHNOLOGY

DESCRIPTION

This programme study how microbes are manipulated to 'overproduce' by-products of their metabolism that can be harvested and purified for a range of important applications. Microbial 'cell factories' are used to produce drugs for conditions such as diabetes, heart disease, obesity, hemophilia, cancer, and infections. The Biotechnology BSc provides a broad-focused grounding in chemistry, biochemistry, molecular biotechnology and biochemical engineering alongside experience of the experiment skills essential for future research. The programme is designed to equip graduates for a career in this new and exciting discipline, which has developed out of some of the most dramatic scientific discoveries of the last 30 years.

OPPORTUNITY

- ◆ Research Technician
- ◆ Lab Assistant in a biotechnology firm
- ◆ Trainee Science Teacher
- ◆ Analyst for an international organization
- ◆ Medical Laboratory sciences
- ◆ Pharmaceutical Industry
- ◆ Food Industry

1st Semester

- Cell Biology
- Fundamentals of Genetics
- General Chemistry
- Introduction to Computing Applications
- Functional English
- Mathematics – I

2nd Semester

- Molecular Biology
- Physical Biology
- Biodiversity and Systematics
- Biochemistry-I
- English Comprehension and Composition
- Islamic Studies / Ethics

3rd Semester

- Fundamentals of Microbiology
- Molecular Genetics
- Intro. to Biotechnology
- Molecular Pathology
- Biochemistry-II
- Pakistan Studies

4th Semester

- Molecular Evolution
- Biostatistics
- Bioinformatics for Biotechnologists
- Biosafety
- Cell and Tissue Culture
- Microbial Biotechnology

5th Semester

- Sequence Analysis, Alignment and Phylogenetic
- Recombinant DNA Tech.
- General Virology
- Techniques in Biotechnology
- Health Biotechnology
- Forensic Serology & DNA Typing

6th Semester

- Proteomics
- Genomics
- Nanobiotechnology
- Agriculture Biotechnology
- Social, Ethical and Legal Aspects of Biotechnology
- Animal Biotechnology

7th Semester

- Cell Signaling
- Industrial Biotechnology
- Food and Bioprocess Tech.
- Literature Survey & Research Project Management
- Environmental Biotechnology
- Immunology

8th Semester

- Research Methodologies
- Recent Trends in Biotechnology and Bioinformatics
- OR
- Project



DURATION

4 YEARS



ELIGIBILITY

45% IN FSc.



AFFILIATION

GOVT. COLLEGE
UNIVERSITY FSD.

BSc (Hons) BIOTECHNOLOGY

INSTITUTE OF BIOCHEMISTRY

DESCRIPTION

Biochemistry explores the chemistry of living organisms and that of their biological processes. It deals with the chemical combination and reaction that takes place because of the biological processes such as growth, reproductions, embolism heredity etc. As a field biochemistry has seen unprecedented growth because of its significance contribution towards the illumination and grasping of DNA structures.

OPPORTUNITY

- ◆ Open doors in public and private sector
- ◆ Biochemist usually involved in research related work
- ◆ Biochemist has vast chances in hospitals, universities, agriculture, food institutes, education, cosmetics, forensic crime research, drug discovery and many more professions.

1st Semester

- English for Academic Purposes
- Islamic studies / Ethics
- Mathematics I
- Introductory Biochemistry
- Fundamentals of Inorganic Chemistry
- Social Sciences I

2nd Semester

- Reading, Writing, Speaking and listening Skills
- Pakistan studies
- Intro to Statistical Theory
- Biochemistry of Carbohydrates
- Biophysics
- Social Sciences II

3rd Semester

- Communication Skills
- Computer Fundamentals
- Cell Biology
- Genetics
- Fundamentals of organic Chemistry

4th Semester

- Technical Writing
- Fundamental of Physical Chemistry
- Human Physiology
- Biochemistry of lipids
- General Microbiology-I

5th Semester

- Amino Acids and Proteins
- Enzymology
- Biosafety & Ethics
- Biochemical Techniques
- Plant Biochemistry

6th Semester

- Nutritional Biochemistry
- Biochemistry of Nucleic acid
- Proteomics
- Bio membranes & Cell Signaling
- Bioenergetics
- Industrial Biochemistry

7th Semester

- Research Planning & Report Writing
- Biological Metabolism
- Bioinformatics-I
- Genomics (Elective I)
- Fermentation Biotechnology (Elect. II)
- English for employment

8th Semester

- Biotechnology
- Immunochemistry
- Current Trends in Biochem.
- Antimicrobials & Chemo therapy (Elective III)
- Seminar
- Research Project/ Internship (Elective IV)



DURATION

4 YEARS



ELIGIBILITY

45% IN FSc.



AFFILIATION

GOVT. COLLEGE
UNIVERSITY FSD.

BSc (Hons) BIOCHEMISTRY

INST. OF BIOINFORMATICS

DESCRIPTION

Bio-informatics integrates the science of managing biological data using advanced computing techniques. Bio-informatics has advanced to a stage where it is playing an increasingly important role in the human genome project, drug discovery and prediction of protein structure and function. The course introduces the students to the basic concepts behind Bioinformatics, Computational Biology tools and Genomics. The hands-on sessions familiarize students with the details and use of the most commonly used tools and resources. An introduction to database design and the principles of programming languages helps to create a community of bioinformatics groups that venture into developing leading-edge research in this highly interdisciplinary field.

OPPORTUNITY

- ◆ Proteomics
- ◆ Clinical
- ◆ Pharmacologist
- ◆ Sequence analysis
- ◆ Informatics developer
- ◆ Bio-analytics
- ◆ Research institutions
- ◆ Hospital and industry
- ◆ Pharmaceutical and biotech companies.

1st Semester

- General Microbiology I
- Introductory biochemistry
- Cell Biology
- Mathematics-I
- Functional English
- Islamic Studies / Ethics

2nd Semester

- General Microbiology II
- Microbial Anatomy and Physiology
- Microbial Taxonomy
- Basic Pathology
- English Comprehension and Composition
- Pakistan Studies

3rd Semester

- Immunology
- General Virology
- Fundamentals of Mycology
- Biosafety and Risk Mgmt.
- Communication Skills
- Intro. to Computing Apps

4th Semester

- Systemic Bacteriology
- Systemic Virology
- Techniques in Parasitology
- Fundamentals of Epidemiology & Public Health
- Biostatistics
- Technical Writing

5th Semester

- Food and Dairy Microbiology
- Cell and Tissue Culture Tech.
- Microbial Enzyme Tech.
- Molecular Biology
- Agricultural Microbiology
- Management of Infectious Waste

6th Semester

- Vaccinology
- Environmental Microbiology
- Medical Microbiology
- Veterinary Microbiology
- Pharmaceutical Microbiology
- Microbial Biodegradation and Bioremediation

7th Semester

- Clinical Microbiology
- Plant Microbiology
- Marine & Fresh water Microbiology
- Industrial Microbiology
- Research Methodology
- English for Employment

8th Semester Internship



DURATION

4 YEARS



ELIGIBILITY

45% IN FSc.



AFFILIATION

GOVT. COLLEGE
UNIVERSITY FSD.

BSc (Hons) BIOINFORMATICS

INSTITUTE OF PHYSIOLOGY

DESCRIPTION

Physiology is the study of function in living systems. This could be in plants and animals, but at Manchester, we concentrate on the function of humans and other mammals.

Physiologists work at the level of whole organisms, tissues, cells and now molecules, and we use a wide range of methods in our experiments. A major challenge to physiologists in the post-genomic era is to determine the function of the many uncharacterized proteins encoded by the human genome. This will involve understanding how these proteins influence the activity of cells, tissues and the whole organism in health and disease.

OPPORTUNITY

- ◆ Cardiac Physiologist
- ◆ Medical Education Consultant for a healthcare communications company
- ◆ Medical Writer
- ◆ Clinical Scientist
- ◆ Account Manager for a healthcare Communications company
- ◆ Product Development Technician for a biomedical supplies company
- ◆ Trainee Gastro-Intestinal Physiologist

1st Semester

- Functional Anatomy
- Biochemistry-I
- Cell and Molecular Biology
- Mathematics (Compulsory)
- Functional English
- Islamic Studies (Comp)

2nd Semester

- Zoology-II
- Biochemistry-II
- Plant Physiology & Ecology
- Microbial Anatomy & Physio.
- English Comprehension & Composition
- Pakistan Studies

3rd Semester

- Physiology of Digestion & Metabolism
- Physiology of Respiratory Syst.
- Physiology of Blood and Extracellular Fluid
- Renal Physiology
- Communication Skills
- Intro. to Computing Apps

4th Semester

- Cardiovascular Physiology
- Nerve and Muscle Physiology
- General Immunology
- Intro. to Bioinformatics
- Computer Apps in Biology
- Homeostasis

5th Semester

- Neurophysiology
- Endocrinology
- General and Systemic Pharmacology
- Principles of Human Nutrition
- Human & Animal Behavior

6th Semester

- Ergonomics
- Reproductive Physiology
- Physiology of Sensory System
- Comparative Physiology
- Intro. to Biotechnology
- Bio-Statistics

7th Semester

- Electrophysiology
- Physiology of Health, Fitness and Exercise
- English for Employment
- Physiological Techniques
- Pathophysiology
- Biology of Development

8th Semester

Internship & Report Writing



DURATION

4 YEARS



ELIGIBILITY

45% IN FSc.



AFFILIATION

GOVT. COLLEGE
UNIVERSITY FSD.

BSc (Hons) PHYSIOLOGY



BS (HONS) BOTANY

DESCRIPTION

The study of botany aims to expand and increase current knowledge about plants in order to solve problems in many fields including agriculture, ecology & horticulture. Owing to the extensive & well-balanced curriculum in botany, students working toward the Bachelor of Science: Concentration in Botany have opportunities to study structural, physiological, ecological, & evolutionary aspects of plants. Program prepares students for graduate study in botany or a career that requires a higher level.

SCOPE

Lecturer
Medical Researcher
Ecologist
Plant Breeder
Horticulturist
Biophysicist



BS (HONS) ZOOLOGY

DESCRIPTION

Zoology, study of animal life, aims to understand the behavior, structure & evolution of animals. Zoologists use a wide range of approaches to do this, from genes to molecular & cellular biology, as well as physiological processes & anatomy, whole animals, populations, & their ecology. Concentration options include animal behavior and neurobiology; cell and developmental biology; evolution and organismal biology; general zoology; genetics; marine biology; zoo and aquarium sciences.

SCOPE

Lecturer
Medical Researcher
Animal Care Technician
Conservation management
Sanctuaries Centers
Animal Care Advisor



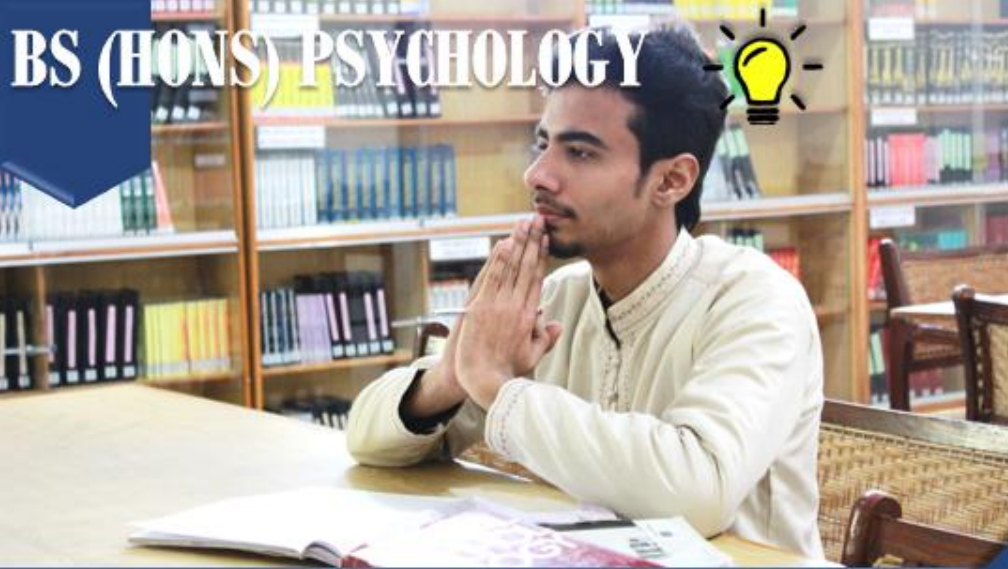
BS (HONS) CHEMISTRY

DESCRIPTION

The Bachelor of Science Degree in Chemistry prepares students for careers as professional chemists and serves as a foundation for careers in other fields such as biology and medicine. The curriculum offers a thorough fundamental knowledge of the major fields of chemistry, covering the general areas of inorganic, organic, and physical chemistry. The program also teaches students how to design experiments and understand the limitations of the experimental approach.

SCOPE

Lecturer
Medical Researcher
Chemical Technician
Clinical Biochemist
Forensic Scientist
Formulation Chemist



BS (HONS) PSYCHOLOGY

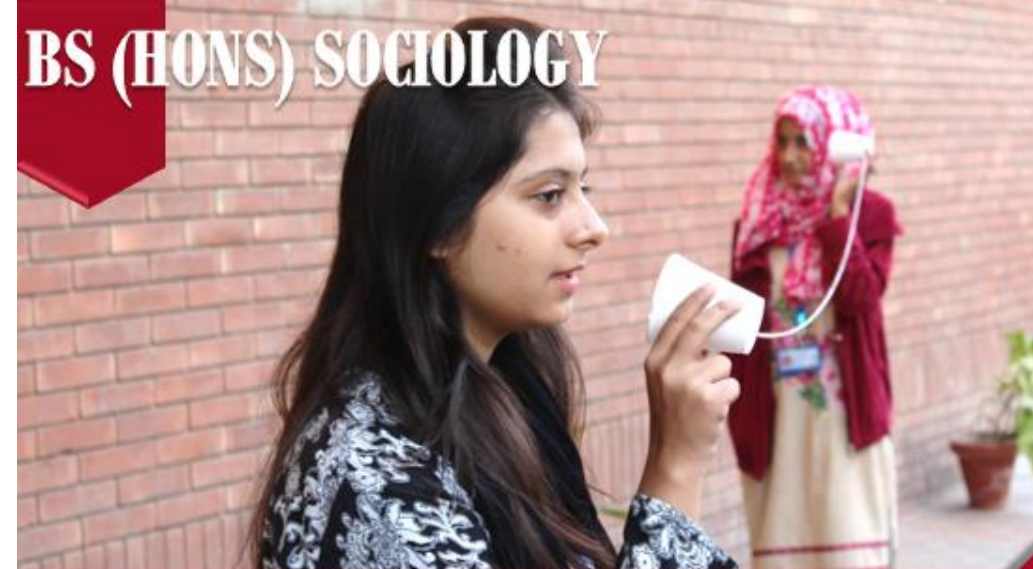


DESCRIPTION

Psychology, is a remarkably diverse and far-reaching field. The Bachelor of Science in Psychology is designed to provide an overview of the many areas of the field, with an emphasis on the scientific nature of psychology. The comprehensive curriculum provides students with an in-depth understanding of the principles of behavior and the scientific methods used to derive those principles. The curriculum covers the discipline from academic and applied perspectives.

SCOPE

Lecturer
Medical Researcher
Career Counselor
Psychiatric Technician
Rehabilitation Specialist
Case Manager



BS (HONS) SOCIOLOGY

DESCRIPTION

A degree in sociology is an excellent springboard for entering the world of business, industry, and organizations. The sociological perspective is crucial for working in today's multiethnic and multinational business environment. An undergraduate sociology major provides valuable insights into social factors that affect work and how organizations operate. Sociological research influences the way we think about work and organizational life, and enables us to discover new knowledge.

SCOPE

Lecturer
Counsellor and Therapist
Community Work
Policy Analysts
Marketing and Public Relations
Strategic Planners



BS (HONS) STATISTICS

DESCRIPTION

The undergraduate program in Statistics provides students with fundamental knowledge and skills related to probability, mathematical statistics, data analysis, and statistical computing. With the recent rise of Big Data, Data Science, and Analytics, the demand for this set of skills has increased substantially. BS in Statistics is very flexible and can lead to a career in business, industry or government. Students are trained to meet this demand and develop careers in teaching and research.

SCOPE

Lecturer
Medical Research
Market Research
Software Statistics Experts
Risk Analyst
Medical Statistician

INSTITUTE OF PARAMEDICAL SCIENCES

DESCRIPTION

Paramedical staff has become an essential part of modern healthcare system. They assist the doctors in hospital, operation theatre, private clinics, and pathological labs. No hospital can be run without paramedical staff. There is a great demand of qualified paramedical staff all over the world. Aim of this courses is to equip students with the relevant professional knowledge, skills, and techniques to enable them to apply their acquired expertise for efficient health service delivery.

OPPORTUNITY

The job of Surgical Technician is maintenance of theater; preparation, sterilization and provision of OT instruments for surgical procedures. Radiography Technician is in charge of one or more X-Ray units and is responsible for its proper working and maintenance. Dispensers work in health-related environments performing a broad range of tasks.

DISCIPLINES

OTT
(2 Years)

RIT
(2 Years)

MLT
(2 Years)

DISPENSER
(1 Year)



VARIOUS DEPARTMENTS

CARDIOLOGY DEPT.

Cardiac Indoor & Outdoor
Cardiac Emergency
Cardiac ICU
Surgical ICU
Cardiac Theater
Anesthesia Dept.
ECHO
ECG
Interventional Cardiology
Primary Angioplasty
Electrophysiology

PULMONOLOGY DEPT.

Chest Indoor & Outdoor
Chest Emergency
Chest ICU
Chest Theater
Anesthesia Dept.
CT Guided Lung Biopsy
Asthma Clinic
Asthma Ward
Oncology Dept.
Bronchoscopy
T.B Ward

DIAGNOSTIC DEPT.

Dept. of Radiology
Dept. of Histopathology
Dept. of Hematology
Dept. of Microbiology
Dept. of Molecular Biology

STUDENT LIFE

Gulab Devi Educational Complex offers a powerfully positive environment where inspiration is in ready supply and your own contributions to create the experience you want to have are actively encouraged and supported. Though we're close-knit, this institution also has room to pursue diverse interests. .

There's a nearly irresistible energy at Gulab Devi that brings people and ideas together—from the classroom to the campus and beyond.

WHAT WE HAVE IS MORE THAN WHAT YOU CAN THINK!!!

Life in campus is more exciting than you think. We have, Funfairs, Concerts, Lectures, Patriotic day celebrations, National day walks, Flag Marching, Art shows, Badminton Court and a lot you can imagine.

Enjoy hostel and messing facility as students decide meal by themselves. To make sure, your study keep going, Library remains open till 8:00PM*

FACILITIES

IT Lab

Auditorium

Library

Museum

Keep Yourself Updated with E-Library at IT Lab, Lab Equipped with Specialized Instructional Technology Equipment

Library Contributes Directly to Students Success. Get yourself More Educated by Reading Range of Books

Auditorium is Designed as Multipurpose Theater Including Conference Seminars, Sessions & Workshops

Function of Museum is to Enable Medical Education at both Undergraduate & Postgraduate

FACILITIES

Girls Common Room

Hostel

Cafeteria

Hostel is Located Within College Campus Hostel Affairs Are Co-oriented Under The Guidance And Supervision Of The Resident Warden

Extra Curricular Activities are as important as studies. Students & Faculty members can enjoy Variety of Sports in Evening

To Facilitate Female Students, Institute Has Established A Spacious And Comfortable Common Room. This Helps Them To Have Informal Discussion

The Cafeteria is Not Just A Food Point But A Place To Relax, Interact, And Take A Refuge From Daily Hectic Schedule

SERVICES

COUNSELLING

SEMINARS &
WORKSHOPS

PARKING

Seminars Can Be
A Comfortable,
Open Environment
For Practicing Professional
Communication
Techniques

Seminars Give
You Intensive
Exposure To A Topic
Through Presentation
And Discussion
Led By Experts

Purpose Of
Counseling Is To
Provide Emotional Support,
Impart Life Skills And
Encourage Self
Reflection

The College Has
Limited Car / Bike
Parking On Site.
The College Supports
Green Environment
And Encourage
Walk

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EMPLOYMENT - INTERNSHIP

Internships can substantially increase your chance of finding employment and we proactively source quality internship opportunities for our students and recent graduates. Our paid internships are supported by a comprehensive development plan to ensure you benefit. Furthermore our college Alumni are employed in this very institute and playing their role as a faculty member for its development.

The development and long term success of our students is fundamental to our approach, including encouraging your efforts beyond graduation.

INDUCTION OF OUR STUDENTS IN VARIOUS NOTABLE INSTITUTES

- ◇ University of Nottingham
- ◇ College of Physician & Surgeon Pakistan (CPSP)
- ◇ Khyber Medical University (KMU), Peshawar
- ◇ Punjab Institute of Cardiology (PIC), Lahore
- ◇ Jinnah Hospital, Lahore
- ◇ Multan Institute of Cardiology (MIC), Multan
- ◇ Rawalpindi Institute of Cardiology (RIC), Rawalpindi
- ◇ Armed forces Institute of Cardiology (AFIC), Rawalpindi
- ◇ Shifa International Hospital, Islamabad
- ◇ Shaukat Khanum Memorial Cancer Hospital & Research Center, Lahore
- ◇ National Hospital, Lahore
- ◇ Ittefaq Hospital (Trust), Lahore
- ◇ Bahria Hospital, Lahore
- ◇ Hameed Latif Hospital, Lahore
































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




UNIVERSITY POSITION HOLDERS



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




CARDIAC PERFUSION TECH.

SESSION	STUDENT	MEDALS
2010-11	Areeba Riaz	   
	Sobia Mughal	 
	Afifa Mushtaq	 
	Jaweria Nisar	 
	Varda Sarfaraz	
2009-10	Rabeea Sabir	  
	Alia Shair	  
	Zarrah Akmal	
	Nosheen Ahmed	  
	Qurrat ul Ain	  
2008-09	Usman Javed Iqbal	   
	Beenish Munir	  





SESSION	STUDENT	MEDALS
	Mehwish Kanwal	 
	Sehrish Khalid	 
2007-08	Mirza Ahmed Raza	   
	Muhammad Imran	
	M Imran Yousaf	
	Sanaulah	







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RESPIRATORY TECH.

























SESSION	STUDENT	MEDALS
2010-11	Behramand Shah	   
	Fadia Andleeb	   
	Tayyaba Jamil	 
	Summan Sarfaraz	 
	Muhammad Bilal	 
2009-10	Aysha Saleem	   
	Abu Bakar Qamar	 
	Mehwish Hanif	   
	Sumbal Iqbal	
	Kharia Arif	
2008-09	Hafiza Maryam Idrees	   
	Sumaira Anwar	  

MEDICAL LAB TECH.








SESSION	STUDENT	MEDALS
	Shaista Tabassum	  
	Ahsan Arif	

SESSION	STUDENT	MEDALS
2010-11	Awais Shaukat	
2007-08	Anam Iqbal	 
	Adil Mehmood	
	Ayesha Afzal	
	Yasar Nawaz	

EMERGENCY & INTENSIVE CARE TECH.

SESSION	STUDENT	MEDALS
2010-11	Maryam Manzoor	   
	Bushra Aslam	 
	Anam Rashid	 
	Nusrat Rehman	 
	Dur e Shahwar	
2008-09	Fouzia Perveen	
	Sidra Azmat	 
	Mehwish Jabbar	
2007-08	Usra Naeem	   
	Rajab Ali	 
	Sundus Ateeq	 
	Amna Khalid	

OPERATION THEATRE TECH.

SESSION	STUDENT	MEDALS
2010-11	Anam Manzoor	 
2009-10	Komal Babar Ali	  
	Madiha Azam	 

SOCIETIES



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ISLAMIC SOCIETY

The Islamic Society aims to provide a means for Students to combine their knowledge, skills and efforts for the benefit of one another and to educate students and lecturers alike of the teachings and principles of mainstream Islam. Every year Gulab Devi Educational Complex arranges "Mehfils" on Eid Milad ul Nabi and on other Holy days. The Main Purpose is to Create a platform for students to share their skills and benefit the wider university community



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BLOOD DONATION SOCIETY

The blood donation society of Gulab Devi Educational Complex is on track to serve the society without any anticipation. The members of the club serve sincerely understanding the principle that donating blood is donating life. This society has been established on the fundamental principles of humanity, impartially, independence, service, unity and universality. Our representatives will team up with you to set a goal, provide materials and help set you up to recruit donors and volunteers.



DEBATIC SOCIETY



SPORTS SOCIETY

Sports week is arranged for all sorts of sports competitions to channel boundless energies of our students on annual basis. It provides opportunities for sports enthusiasts to share their interests and participate in events. Tournaments are organized in Cricket, Badminton, Table Tennis and Athletics on annual basis. Besides regular sports activities in each year, friendly, inter department matches are also organized from time to time.



CULTURAL & DRAMATIC SOCIETY

Students write, direct and perform in their own dramas, skits and choreographies during the Annual Function Programs. They are also involved in some other sort of activities like chart & fine arts competitions. Some students also showcase their art on national level and bring medals and awards for Gulab Devi Educational Complex Students perform their act on Welcome and Farewell functions as well as on Independence day. Students also arrange walk on Quid e Azam Day, Allama Iqbal Day. Volunteers of Cultural and Dramatics Societies also set up themselves for Flag march past out on Pakistan Day.



RULES & REGULATION

All Students must abide by the College Rules, Regulations, Policies and Guidelines as may be promulgated by the College Administration from time to time. Breach of these Rules, Regulations, Policies and Guidelines shall render them liable to disciplinary, administrative and legal action including but not limited to imposition of fine, suspension or expulsion (both provisional and permanent) from the College.

Admission Rules:

- Each column of application form must be completely filled. Incomplete Form will not be entertained.
- All the certificates/ documents must be attested by a grade 17 government officer. The institute may sent all the certificates to corresponding departments in due time for verification. In case of objection or rejection the admission will be cancelled and the candidate will be responsible for the consequence.
- Merit list will be displayed on the notice board/website and interview will be conducted after which final admission list will be displayed on the notice board and website ([www. Gdec.edu.pk](http://www.Gdec.edu.pk))
- After Signature of the Principal the decision of the interview committee would be regarded as irrevocable and unchallengeable. Candidate must appear with original documents before the interview committee at the time of admission.
- Students are directed to obtain dues Challan Form from accounts section and get it deposited in the Bank before the specified last date.

ADMISSION

HOSTEL

RULES & REGULATION

- The student shall be allotted a hostel seat (as per availability) by the appropriate authority and the student shall become a resident from the date he/she occupies the seat.
- In case of damage to or loss of hostel property the cost will be recovered from the students responsible if identified, or from all the students of the hostel, as decided by the hostel Management.
- Any mental or physical torture to any students by any other students will not be tolerated.
- Use of alcohol, drugs etc will not be permitted in the entire campus. Any student violating these norms will not only be removed from the hostel but will also be expelled from the campus immediately.
- All fans, lights and electrical appliances must be switched off when the resident is not in the room/respective area. Use of electric appliances like electric heater / Air conditioners are not allowed in any room a fine of 500 will be charged in case of violation.
- The Hostel Management reserves the right to make spot checks on the hostel units and the bedrooms without prior notice to the students.
- The Hostel Management reserves the right to move residents to other hostel rooms if there is a necessity.
- Student must inform prior Hostel Warden about visitors. No visitors will be permitted to stay overnight in the hostel premises.
- Students should not arrange for any picnic outside without specific permission

RULES & REGULATION

Admission of those students will be cancelled who do not join classes within 10 days of their admission and dues paid in this regard will not be refunded.

- Admission will be confirmed only after the registration of relevant University. The institute is not responsible for any litigation in respect of registration by Concerned University.

- 75 % Clinical and 75 % Theoretical attendance is mandatory for appearing in internal and University Examination in each subject.

- The students have to clear all the requisite tests according to the stipulated parameters for becoming eligible to sit in the University Annual Professional Examination.

- A fine of Rs: 50/day will be charged in case of absence without approved application stating a genuine reason.

- 100 Rs per day fine will be charged after due date of fee submission.

- All the leaves will have to be sanctioned and signed by Director Education of relevant department or Admin Officer GDEC prior to the leave.

- Late-comers in the class may be marked absent.

- The Principal has the vested power to struck off the name of any student who is found guilty of breaking rules & Regulations of the college.

- Students are not allowed to keep / move in the premises of the institution/hospital with any sort of weapon; any student found guilty shall be punishable under the prevailing law of the country.

- Students are not allowed to political or immoral activity, display, paste, exhibit or distribute any sort of posters, leaflets, badges handbills etc, within the Institution premises, without prior permission from Institution authorities and Hospital administration.

- No student is allowed to smoke, play cards or gamble in the Institution /hospital premises.

- No student is allowed to leave the college during his / her class without permission.

- University related charges will be collected after admission according to the University Rules.

- The institution has authority to increase the Fee from time to time if and when it deems fit to do so.

GENERAL

GENERAL

The Dean & Deputy Dean have the authority to waive off whole or a part of late fee/ Fine etc.

- Those students who are detained in Final Year Exam will have the option to continue classes in institute or to study at home. In case of not joining the classes the institute will not charge any tuition fee however the student will pay examination fee or other university charges. The institute will forward exam form of the student.

- Any other rule through Executive/ Office Order from time to time will be applicable to the students.

- Those students who are failed in Annual/ Supply examination and are detained in the same educational year 30% concession in tuition fee according to current fee schedule.

- Students must keep the College identity Card during their stay in the College premises and during College functions & wear the white overall while attending the College.

- The College authorities reserve the right to revise any class schedule or to re-arrange the classes.

- The College will not be responsible for loss of any mail/valuables sent to a student at the College address.

- The College is not responsible for any loss/damage regarding the students' belongings.

- Any false information on the Application Form may render the student liable to expulsion from the College.

- The College reserves the right to make, amend and introduce any rule as and when deemed appropriate.

- If a student defaults in submission of College dues for a period of one month the institute will take action according to rules and regulations.

- NOCs and College leaving certificates can only be issued if the student pays his/her all dues till the submission date of his/her application for the issuance of these.

Any student aggrieved by any happening in the College shall lodge a complaint with the Principal and not with any outside authority unless the Principal permits him/her to do so. Any student misbehaving in the classroom/College shall at once be reported to the Principal by the teacher. The Principal will take such action as he/she may deem proper.

INSTITUTION'S LINKAGES

CHILDREN HOSPITAL AND CHILD
INSTITUTE OF CHILD HEALTH

EMERGENCY SERVICES
ACADEMY RESCUE 1122

ALLAMA IQBAL MEDICAL COLLEGE

SHEIKH ZAYED HOSPITAL, LAHORE

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INSTITUTION'S LINKAGES

INSTITUTE OF PUBLIC HEALTH

SERVICE INSTITUTE OF
MEDICAL SCIENCES

LAHORE GENERAL HOSPITAL

PUNJAB INSTITUTE OF
CARDIOLOGY

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ANNUAL SPORTS WEEK



ANNUAL DINNER



WELCOME & FAREWELL



WORKSHOPS & SEMINARS



PERFORMING ARTS



AWARDS
DISTRIBUTION



