



ABU ZAFAR INSTITUTE OF MEDICAL SCIENCES



Affiliated with
Jinnah Sindh Medical University

- DPT** Doctor of Physiotherapy
- BSMT** Cardiac Perfusion Science
- BSMT** Operation Theatre Science
- BS** Human Nutrition & Dietetics



Quaid-e-Azam Muhammad Ali Jinnah









Contents

1. Abu Zafar Institute of Medical Sciences	1
2. Learning Facilities	2
3. Doctor of Physiotherapy (DPT) Five Years Program	6
4. BS(MT)/BS Program	11
5. Cardiac Perfusion Sciences	12
6. Operation Theatre Sciences	13
7. Human Nutrition and Dietetics.....	14
8. Course of Studies	15
9. Admission Policy.....	22
10. Learners Discipline and Demeanors	25
11. Library Policy	27
12. Academy Hours.....	28
13. Sample Paper	30





Abu Zafar Institute of Medical Sciences

Abu Zafar Institute of Medical Sciences was established in 2006 and started Midwifery Paramedics and Nursing training programs through its constituents Training Schools namely:

- Atia School of Midwifery
- Atia School of Paramedics
- Atia School of Nursing, LPN / CNA
- Koohi Goth School of Midwifery
- Nursing and Midwifery Tutor Training Program
- Dr. Ruth Pfau College of Nursing.

The Institute was formally inaugurated in November, 2008 by former Chief Minister of Sindh Syed Qaim Ali Shah.

Above Schools are situated within the Premises of Koohi Goth Hospital at Koohi Goth, Deh Landhi, Bin Qasim Town, Karachi. It is spread around 16 acre of land with a pleasant green landscape providing all basic necessities for its students including Hostel facilities with free Mess service providing them three time meal without any charges. Courses offered at the above schools are **absolutely free of cost**.

The Institute is run under the umbrella of Zafar and Atia Foundation Charitable Trust. The institute is well-equipped to provide quality education and training at affordable cost.

The attached clinical areas for the practical training of students for the BS and BS(MT) programs i.e. Clinical Laboratory Sciences, Operation Theatre Sciences, Cardiac Perfusion Sciences are as under:

1. Koohi Goth Hospital, Deh Landhi, Karachi
2. National Institute of Cardiovascular Disease, Karachi

Learning Facilities

Class Rooms

The institution has spacious class rooms, auditorium, library, learning resource center (LRC), Computer lab and well equipped laboratories.

Clinical Placement

The students will be placed in various units of affiliated hospitals for integration of learned concepts into practice.

Skills Labs

Abu Zafar Institute of Medical Sciences has a well-equipped skills lab, which are practical learning resources for the students. Students can utilize labs for their practical learning purposes. Students are required to follow the rules and policies of labs while utilizing this facility.

Science Lab

Institute also has a science lab facility for practicals. Students can use this lab for practical purpose, under the guidance of teacher and rules assigned to use equipments during lab procedures.

Transportation

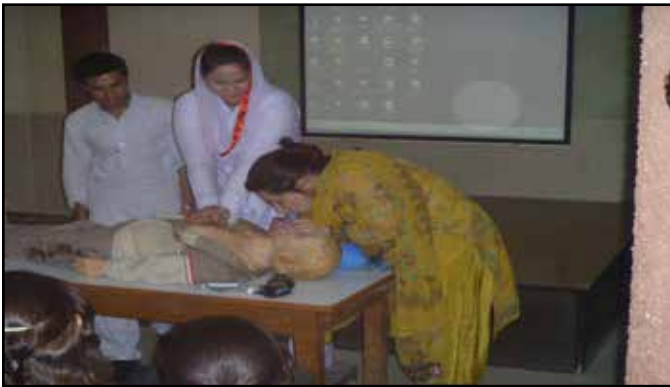
Transport facility is available on contract basis through private vendor, which can be arranged for pick and drop purpose from home to college on request.

Library

Library of Abu Zafar Institute of Medical Sciences, contains books related to courses. Students are entitled to borrow books from the library during their academic hours. All the students must obey the library policy.

Learning Resource Center (LRC) / Computer Lab

Computer lab is open in all working days during college hours. Students can utilize this facility to complete their assignments, under guidance and abiding rules and regulations.







Doctor of Physiotherapy (DPT) Five Years Program

- Physiotherapists study medical science subjects such as anatomy, physiology, medicine, surgery, pharmacology & specialized physiotherapy subjects such as Kinesiology, Biomechanics & Ergonomics, Therapeutic Exercises & Techniques Physical Agents & Electrotherapy, Evidence based practice, Clinical decision making & differential diagnosis, which are related to developing skills and attitudes necessary for health education and prevention, diagnosis, treatment and rehabilitation of patients with physical disorders and disabilities.
- The **core skills** of physiotherapists include manual therapy, therapeutic exercise and the application of electrotherapeutic modalities.
- Physiotherapists practice in many setting, such as Primary & Tertiary Care Hospitals, Outpatient Clinics, Inpatient Rehabilitation Facilities, Skilled Nursing Facilities, Private Homes, Education and Research Centers, Schools, Fitness Centers and Sport Training Facilities.

Physiotherapy has many specialties such as:

- Cardiopulmonary
- Neurological
- Paediatrics
- Women's Health
- Spinal Rehabilitation
- Geriatrics
- Orthopaedics
- Gynae Rehabilitation
- Hand Rehabilitation
- Sports Injuries

Scope Of Physiotherapy

Intensive Care Unit (ICU)

Physiotherapists are an integral part of the multi-disciplinary team in critical care, and are uniquely qualified with skills and expertise to work with the assessment and management of respiratory complications, physical deconditioning, and neuromuscular and musculoskeletal conditions.

Pediatric Physiotherapy

Pediatric physiotherapy specialize in the treatment of children who have developmental dysfunctions and specific pediatric disorders. Also aims to optimize a child's function as they grow, irrespective of their physical condition. It takes into consideration the impact of growth and growth spurts on the child and uses this knowledge to treat each child accordingly

Burns and Plastics

Physiotherapists work very closely with multidisciplinary team to rehabilitate patients who require skin grafts, flaps, breast reconstructions and other forms of plastic surgery.



Hand Rehabilitation

Physiotherapist treats patients after hand trauma or hand surgery. He / She provide exercises, advice and education and scar management as large parts of the rehabilitation.

The Women's Health Physiotherapy

The women's health physiotherapy team provide an extensive in-patient and out-patient service to obstetrics and gynaecology patients. This includes a series of antenatal classes, treatment for low back pain & pelvic pain and health promotion in the postnatal wards.

The Amputee

The amputee physiotherapy service provides specialized rehabilitation for patients following the loss of a limb.

Neurological Physiotherapy

Neurological physiotherapy is focused on working with individuals who have a neurological disorder or disease. These include Alzheimer's disease, Brain injury, Cerebral palsy, Multiple sclerosis, Parkinson's disease, Spinal cord injury, and Stroke.

Spine and Back Problems

Physiotherapy can help by decreasing spasm of the musculature of the spine. Strengthening the core muscles (those surrounding the spine and abdominals) one can better support the spine and decrease discomfort. Therapy can also help to improve posture and decrease mechanical back pain.

Palliative Care

Physiotherapy in the field of Oncology and Palliative care has a crucial role both in malignant and non-malignant disease. Rehabilitation for both groups of patients enable these patients to live longer and can function at a minimum level of dependency and optimize their quality of life, regardless of their life expectancy

Geriatric physiotherapy

Geriatric Physiotherapy covers a wide area of issues concerning older adult. There are many conditions that affect many people as they grow older and include but are not limited to the following: Arthritis, Osteoporosis, Cancer, Alzheimer's disease, Hip and joint replacement, Balance disorders, incontinence, etc.

COURSE OF STUDIES

DOCTOR OF PHYSIOTHERAPY (DPT) 5 YEARS PROGRAM

1st Semester

Course No.	Course Title	Credits
DPT-301	Anatomy - I	3+1
DPT-303	Physiology-I	2+1
DPT-305	Kinesiology-I	2+1
DPT-307	English-I (Functional English)	3+0
DPT-309	Pakistan Studies	2+0
DPT-311	Biostatistics-I	3+0
Total Credit Hours		18

2nd Semester

Course No.	Course Title	Credits
DPT-302	Anatomy –II	3+1
DPT-304	Physiology-II	2+1
DPT-306	Kinesiology-II	2+1
DPT-308	English-II (Communication Skills)	3+0
DPT-310	Islamic Studies / Ethics	2+0
DPT-312	Biostatistics-II	3+0
Total Credit Hours		18

3rd Semester

Course No.	Course Title	Credits
DPT-401	English-III (Technical Writing & Presentation Skills)	3+0
DPT-403	Introduction To Computer	2+1
DPT-405	Anatomy –III	2+1
DPT-407	Physiology-III	2+1
DPT-409	Biomechanics & Ergonomics-I	3+0
DPT-411	Biochemistry & Genetics I	3+0
Total Credit Hours		18

4th Semester

Course No.	Course Title	Credits
DPT-402	Anatomy-IV (Neuro Anatomy)	2+1
DPT-404	Biomechanics & Ergonomics-II	2+1
DPT-406	Behavioral Sciences (Psychiatry & Psychology)	3+0
DPT-408	Biochemistry & Genetics II	3+0
DPT-410	Exercise Physiology	3+0
DPT-412	Medical Physics	2+1
Total Credit Hours		18

5th Semester

Course No.	Course Title	Credits
DPT-501	Pathology & Microbiology I	3+0
DPT-503	Pharmacology I	2+0
DPT-505	Physical Agents & Electrotherapy I	2+1
DPT-507	Therapeutic Exercises & Techniques	2+1
DPT-509	Sociology	2+0
DPT-511	Health & Wellness	2+0
DPT-513	Supervised Clinical Practice I	0+3
Total Credit Hours		18

6th Semester

Course No.	Course Title	Credits
DPT-502	Pathology & Microbiology II	2+1
DPT-504	Pharmacology II	3+0
DPT-506	Physical Agents & Electrotherapy -II	2+1
DPT-508	Manual Therapy	2+1
DPT-510	Teaching Methodology & Community Medicine	3+0
DPT-512	Supervised Clinical Practice II	0+3
Total Credit Hours		18

7th Semester

Course No.	Course Title	Credits
DPT-601	Medicine I	3+0
DPT-603	Surgery I	3+0
DPT-605	Radiology & Diagnostic Imaging	2+1
DPT-607	Musculoskeletal Physical Therapy	2+1
DPT-609	Human Growth Development & Community Based Rehabilitation	3+0
DPT-611	Supervised Clinical Practice III	0+3
Total Credit Hours		18

8th Semester

Course No.	Course Title	Credits
DPT-602	Medicine II	3+0
DPT-604	Surgery II	3+0
DPT-606	Neurological Physiotherapy	2+1
DPT-608	Evidence Based Practice	2+1
DPT-610	Prosthetics & Orthotics	2+1
DPT-612	Supervised Clinical Practice - IV	0+3
Total Credit Hours		18

9th Semester

Course No.	Course Title	Credits
DPT-701	Cardiopulmonary Physiotherapy	2+1
DPT-703	Emergency Procedures & Primary Care In Physiotherapy	2+0
DPT-705	Clinical Decision Making & Differential Diagnosis	3+0
DPT-707	Scientific Inquiry & Research Methodology	2+1
DPT-709	Professional Practice (Laws, Ethics & Administration)	2+0
DPT-711	Integumentary Physiotherapy	2+0
DPT-713	Supervised Clinical Practice - V	0+3
Total Credit Hours		18

10th Semester

Course No.	Course Title	Credits
DPT-702	Obstetrics & Gynaecological Physiotherapy	2+0
DPT-704	Paediatric Physiotherapy	2+0
DPT-706	Gerontology & Geriatric Physiotherapy	2+0
DPT-708	Sports Physiotherapy	2+0
DPT-710	Supervised Clinical Practice VI	0+4
DPT-712	Research Project	0+6
Total Credit Hours		18
		180

BS(MT)/BS PROGRAM

Scope of Program

Medical Technology is a Discipline that combines the challenges and rewards of Medical Profession with Allied Health Sciences. Medical Technologists perform complex and varied procedures. They analyses, and use critical thinking skills in determining the accuracy and validity of results. They recognize the interdependency of information and possess the knowledge of physiologic and pathologic conditions affecting results in order to support medical decisions.

In diverse health care settings, Medical Technologists provide results used by physicians, Surgeons, or for any other diagnostic decisions which could be help full in determining the presence, extent, and causes of disease; monitoring therapy; and evaluating testing protocols to insure optimum and safe public health applications.

Today there is a greater demand of Allied Health Professionals than supply. Demand for Medical Technology Graduates have a wide choice of practice at hospitals, laboratories, public health facilities, forensic crime laboratories, sales and marketing of diagnostic instruments and reagents, federal and state regulatory agencies, and research and development of future clinical tests and instruments.

Cardiac Perfusion Science

Perfusion refers to the delivery of blood through the circulatory system to capillary bed in a tissue. Cardiac Perfusion is the process of scanning and measuring the amount of blood in your heart at rest and at exercise. It also refers to the study of how blood flows through heart muscles. Cardiac Perfusionists are not doctors but technologists.

There is huge and demanding scope of Cardiac Perfusion Technologists in Pakistan. Pakistani population is becoming one of the higher risky victims of coronary heart diseases (CHD). Almost 30 to 40% of deaths in Pakistan happened due to Cardiovascular Heart Diseases (CHD). There are so many job opportunities for Cardiac Perfusion Technologists in the different public and private hospitals of Pakistan. This is one of the highest paying professions in Pakistan.



Operation Theatre Sciences

The aim of this 4 years degree program in Operation Theatre Technology is to equip students with relevant professional knowledge, skills, techniques and ethical values to enable them to apply their acquired expertise at level between doctors and patients for efficient health service delivery.

Operation Theater Technologists provide high standards of patient care and skilled support alongside medical and nursing colleagues during the anesthetic, surgical and recovery phases of peri-operative period. Operation Theatre Technologists are regarded as the back bone in operation theatre.



Human Nutrition and Dietetics

Nutrition is the science that deals with food and its components in relation to human body whereas Dietetics is the practical application of this scientific knowledge for improving and maintaining human health. Both Nutrition and Dietetics are well established disciplines in the developed world and are significantly contributing towards better human health.

This degree program will enable students to excel professionally in the field of dietetics and public health through meeting today's market requirements. After graduation the students will be able to demonstrate their expertise in multiple fields. The role of nutritionist(dietetics) in public/private hospitals and in other health care centers are very essential especially in the prevention of diseases. Now a days, the demand for nutritionists are growing rapidly in Pakistan.



Course of Studies

Cardiac Perfusion

1st Semester

Course No	Course Title	Credit Hour
MT 301	Elementary Anatomy	3 (2 + 1)
MT 303	Clinical Microbiology I	3 (2 + 1)
MT 305	Clinical Biochemistry I	3 (2 + 1)
MT 309	Clinical Pharmacology I	3 (2 + 1)
300.1	Islamiat	3
300.1	English	3
Total Credit Hours		18

2nd Semester

Course No	Course Title	Credit Hour
MT 312	Elementary Physiology	3 (2 + 1)
MT 304	Clinical Microbiology II	3 (2 + 1)
MT 306	Clinical Biochemistry II	3 (2 + 1)
MT 314	Clinical Pharmacology II	3 (2 + 1)
MT 318	Introduction to OT Organization	3 (2 + 1)
300.2	Pakistan Studies	3
Total Credit Hours		18

3rd Semester

Course No	Course Title	Credit Hour
MT 411	Clinical Nutrition & Diet Therapy	3 (2 + 1)
MT 407	Fundamental of Cardiac Care	3 (2 + 1)
MT 413	Perfusion Technology-I	3 (2 + 1)
MT 417	Clinical Practicum	6 (0 + 6)
400.1	English II	3
Total Credit Hours		18

4th Semester

Course No	Course Title	Credit Hour
MT 412	Anaesthesia procedure	3 (2 + 1)
MT 412	Perfusion technology II	3 (2-1)
MT 416	Instrumentation of Perfusion Technology	3 (2 + 1)
MT 418	Clinical Practicum	6 (0 + 6)
400.2	Computer Application	3 (2 + 1)
Total Credit Hours		18

5th Semester

Course No	Course Title	Credit Hour
MT 509	General Pathology	3 (2 + 1)
MT 603	Cardiopulmonary Diagnostics	3 (2 + 1)
MT 513	Clinical Practicum	9 (3 + 6)
500.1	Introduction to Biomedical Ethics	3 (3 + 0)
Total Credit Hours		18

6th Semester

Course No	Course Title	Credit Hour
MT 510	Cardiovascular emergencies	3 (2 + 1)
MT 608	Medicines in Perfusion Technology	3 (2 + 1)
MT 514	Clinical practicum	9 (3 + 6)
500.2	Fundamental of Infectious Disease	3 (2 + 1)
Total Credit Hours		18

7th Semester

Course No	Course Title	Credit Hour
MT 504	Critical Care Unit Management	3 (2 + 1)
MT 609	Clinical Practicum	9 (3 + 6)
MT 611	Operation Theatre Management	3 (2 + 1)
Total Credit Hours		15

8th Semester

Course No	Course Title	Credit Hour
MT 600	Basic Nursing Procedure and Techniques	3 (2 + 1)
MT 610	Clinical Practicum	9 (3 + 6)
MT 612	Project	3 (0 + 3)
Total Credit Hours		15

Operation Theatre Sciences

1st Semester

Course No	Course Title	Credit Hour
MT 301	Elementary Anatomy	3 (2 + 1)
MT 303	Clinical Microbiology I	3 (2 + 1)
MT 305	Clinical Biochemistry I	3 (2 + 1)
MT 309	Clinical Pharmacology I	3 (2 + 1)
300.1	Islamiat	3
300.1	English	3
Total Credit Hours		18

2nd Semester

Course No	Course Title	Credit Hour
MT 312	Elementary Physiology	3 (2 + 1)
MT 304	Clinical Microbiology II	3 (2 + 1)
MT 306	Clinical Biochemistry II	3 (2 + 1)
MT 314	Clinical Pharmacology II	3 (2 + 1)
MT 318	Introduction to OT Organization	3 (2 + 1)
300.2	Pakistan Studies	3
Total Credit Hours		18

3rd Semester

Course No	Course Title	Credit Hour
MT 411	Clinical Nutrition & Diet Therapy	3 (2 + 1)
MT 413	Fundamental Operation Theatre Technique I	3 (2 + 1)
MT 415	OT Instrumentation I	3 (2 + 1)
MT 417	Clinical Practicum	6 (0 + 6)
400.1	English II	3
Total Credit Hours		18

4th Semester

Course No	Course Title	Credit Hour
MT 412	Anaesthesia procedure	3 (2 + 1)
MT 414	Fundamental operation theatre technique II	3 (2 + 1)
MT 416	OT Instrumentation II	3 (2 + 1)
MT 418	Clinical Practicum	6 (0 + 6)
400.2	Computer Application	3 (2 + 1)
Total Credit Hours		18

5th Semester

Course No	Course Title	Credit Hour
MT 509	General Pathology	3 (2 + 1)
MT 511	Specialized Operation – I	3 (2 + 1)
MT 513	Clinical Practicum	9 (3 + 6)
500.1	Introduction to Biomedical Ethics	3 (3 + 0)
Total Credit Hours		18

6th Semester

Course No	Course Title	Credit Hour
MT 510	Specialized Operation II	3 (2 + 1)
MT 512	Advances in O.T Organization	3 (2 + 1)
MT 514	Clinical practicum	9 (3 + 6)
500.2	Fundamental of Infectious Disease	3 (2 + 1)
Total Credit Hours		18

7th Semester

Course No	Course Title	Credit Hour
MT 607	Specialized Operation – III	3 (2 + 1)
MT 609	Clinical Practicum	9 (3 + 6)
MT 611	Operation Theatre Management	3 (2 + 1)
Total Credit Hours		15

8th Semester

Course No	Course Title	Credit Hour
MT 608	Specialized Operation – IV	3 (2 + 1)
MT 610	Clinical Practicum	9 (3 + 6)
MT 612	Project	3 (0 + 3)
Total Credit Hours		15

Human Nutrition & Dietetics

1st Semester

Course No	Course Title	Credit Hour
HND	Fundamentals of Human Nutrition	3(3-0) FC
FST	Essentials of Food Science & Technology	3(2-1) FC
Bio/ Math	Mathematics OR Essentials of Biology	3(3-0) GC 3(2-1) GC
Eng	English-I	3(3-0) CC
Biochem	Introductory Biochemistry	3(2-1) GC
SSH	Pakistan Studies	2(2-0) CC
Total Credit Hours		17 (15-2)

2nd Semester

Course No	Course Title	Credit Hour
HND	Macronutrients in Human Nutrition	3(3-0) FC
Eng	English-II	3(3-0) CC
SSH	Islamic Studies/Ethics	2(2-0) CC
Anatomy	Human Anatomy	3(2-1) FC
Physio	Human Physiology-I	3(2-1) FC
Sociology	Fundamentals of Sociology	3(3-0) GC
Total Credit Hours		17 (14-3)

3rd Semester

Course No	Course Title	Credit Hour
HND	Micronutrients in Human Nutrition	3(3-0) FC
Physio	Human Physiology-II	3(2-1) FC
Eng	English-III	3(3-0) CC
PBG/ABG	Introductory Molecular Genetics	3(2-1) GC
FST	Food Microbiology	3(2-1) GC
FST	Food Safety and Quality Management	2(2-0) GC
Total Credit Hours		17 (14-3)

4th Semester

Course No	Course Title	Credit Hour
Stat	Bio-Statistics	3(2-1) CC
CS	Computer Science and Information Technology	3(2-1) CC
HND	Assessment of Nutritional Status	3(2-1) MC
HND	Nutrition Through the Life Cycle	3(3-0) FC
Path	General Pathology	3(2-1) FC
FST	Food Analysis	3(1-2) FC
Total Credit Hours		18 (12-6)

5th Semester

Course No	Course Title	Credit Hour
HND	Dietetics-I	3(2-1) MC
HND	Nutrition and Psychology	3(3-0) MC
HND	Nutritional Education and Awareness	3(2-1) MC
HND	Meal Planning and Management	3(2-1) MC
HND	Public Health Nutrition	3(2-1) MC
FST	Food and Drug Laws	2(2-0) MC
Total Credit Hours		17 (13-4)

6th Semester

Course No	Course Title	Credit Hour
HND	Dietetics-II	3(2-1) MC
HND	Functional Foods and Nutraceuticals	3(3-0) MC
Sociology/HND	Nutrition Through Social Protection	2(2-0) GC
HND	Sports Nutrition	3(2-1) MC
HND	Infant and Young Child Feeding	3(2-1) GC
Biochem	Clinical Biochemistry	3(1-2) GC
Total Credit Hours		17 (13-4)

7th Semester

Course No	Course Title	Credit Hour
HND	Dietetics-III	3(2-1) MC
HND	Global Food Issues	3(3-0) MC
HND	Research Methods in Nutrition	3(3-0) MC
HND	Nutritional Practices in Clinical Care	3(2-1) MC
Total Credit Hours		12 (10-2)
Elective Courses (2 courses equal to 5 credit hours)		
Elective	Nutritional Immunology	3(3-0) EC
Elective	Drug-Nutrient Interactions	2(2-0) EC
Elective	Food Chemistry	2(2-0) EC
Elective	Preventive Nutrition	3(3-0) EC
Elective	Nutrition in Emergencies	3(3-0) EC
Total Credit Hours		5(5-0)

8th Semester

Course No	Course Title	Credit Hour
HND	Internship/Project	6(0-6) MC
HND	Nutrition Policies and Programs	3(3-0) MC
HND	Food Service Management	3(3-0) MC
		12 (6-6)
Elective Courses (2 courses equal to 5 credit hours)		
Elective	Food Toxins & Allergens	3(3-0) EC
Elective	Nutritional Deficiency Disorders	3(3-0) EC
Elective	Food Supplements	2(2-0) EC
Elective	Metabolism of Nutrients	2(2-0) EC
Elective	Nutrition Epidemiology	2(2-0) EC
Total Credit Hours		5(5-0)/5(4-1)

Admission Policy

Abu Zafar Institute of Medical Sciences, offers admissions in the following disciplines for session 2018-19. Class are expected to commence from January, 2019.

Eligibility Criteria

Admissions are offered to all eligible Pakistani citizens who have passed intermediate sciences or equivalent examination in Pre-medical group / Medical Technology Group with Physics, Chemistry and Biology subjects, and secured at least 50% from any recognized Educational Board of Pakistan. Candidates with O- Level, 10th Grade/A- levels, 12th Grade must take equivalence from IBCC Islamabad and submit the same at the time of submission of application form.

Age Limit: Between 16-30 Years.

Documents required to be attached with Application Form:

Attested photocopies of the following document must be attached with the admission form at the time of submission of form.

1. Properly and neatly filled admission form.
2. 04 attested copies of Matric Marks Sheet or transcripts of equivalent examinations.
3. 04 attested copies of Matric Certificate or IBCC Equivalence Certificate of equivalent Examination.
4. 04 attested copies of CNIC of candidate.
5. 04 attested copies of B- Form from NADRA if age is below 18 years.
6. 04 attested copies of CNIC of Father.
7. 04 attested copies of Domicile Certificate of Candidate.
8. 04 attested copies of PRC Certificate on Form "C".
9. Six photograph without attestation.
10. Affidavit on stamp paper of Rs. 50.00 (If admitted) Specimen will be provided by institute once admission is offered.

Application form & prospectus for admission can be obtained on payment of non- refundable Rs.1500/- (Rupees one thousand five hundred only)

Merit Formulating Formula:

The admissions will be offered on the basis of overall merit attained by an applicant. Merit will be determined on the basis of formula laid down below.

- | | |
|-------------------------|-----|
| 1. S.S.C marks (metric) | 10% |
| 2. H.S.C marks | 40% |
| 3. Entry Test | 40% |
| 4. Interview marks | 10% |

Interview will be based on general knowledge, communication skills, aptitude, integrity, motivation, maturity and interest in the selected degree program.

Selected candidates will be informed by displaying a merit list at the premises of Institute. The results will neither be communicated on telephone nor will be revealed to sympathizers and friends.

Fee Structure for Doctor of Physiotherapy (DPT) 5 Years Program

S.#	Description	1st. Year		2nd. Year		3rd. Year		4th. Year		5th. Year		Total
		1st. Sem.	2nd. Sem.	3rd. Sem.	4th. Sem.	5th. Sem.	6th. Sem.	7th. Sem.	8th. Sem.	9th. Sem.	10th. Sem.	
1	Admission Fee	50,000	-	-	-	-	-	-	-	-	-	50,000
2	Laboratory Fee	10,000		10,000		10,000		10,000		10,000		50,000
3	Student Fund	5,000		5,000		5,000		5,000		5,000		25,000
4	Computer Lab.	5,000		5,000		5,000		5,000		5,000		25,000
5	Library / Skills Lab	5,000		5,000		5,000		5,000		5,000		25,000
6	Health Insurance	2,000		2,000		2,000		2,000		2,000		10,000
7	Tuition Fee per Semester (Increase.10% every year)	100,000	100,000	110,000	110,000	121,000	121,000	133,100	133,100	146,410	146,410	1,221,020
8	Caution Money	5,000	-	-	-	-	-	-	-	-	-	5,000
	Semester wise Total	182,000	100,000	137,000	110,000	148,000	121,000	160,100	133,100	173,410	146,410	1,411,020
	Yearly Total	282,000		247,000		269,000		293200		319820		

Fee Structure for BS / BSMT 4 Years Program

S. #	Description	1st. Year		2nd. Year		3rd. Year		4th. Year		Total
		1st. Sem.	2nd. Sem.	3rd. Sem.	4th. Sem.	5th. Sem.	6th. Sem.	7th. Sem.	8th. Sem.	
1	Admission Fee	15,000		15,000		15,000		15,000		60,000
2	Laboratory Fee	5,000		5,000		5,000		5,000		20,000
3	Student Fund	5,000		5,000		5,000		5,000		20,000
4	Library / Skills Lab	5,000		5,000		5,000		5,000		20,000
5	Health Insurance	2,000		2,000		2,000		2,000		8,000
6	Tuition Fee per Semester (Increase.10% every year)	35,000	35,000	38,500	38,500	42,350	42,350	46,585	46,585	324,870
	Semester wise Total	67,000	35,000	70,500	38,500	74,350	42,350	78,585	46,585	452,870
	Yearly Total	102,000		109,000		116,700		125,170		

Fee Payment Policy

Fee once paid is non-refundable / non-transferable and does not include any Examination or Enrolment fee or administrative charges of Jinnah Sindh Medical University. All students are bound to pay their enrollment fee , examination fee and administrative charges to Jinnah Sindh Medical University. The administrative charges are @ 5.5% of Admission & Tuition Fee, other than above mentioned college fee.

Rules for Payment of Fee:

1. Nonpayment of fee within the stipulated time period or before the last date of submission of fee will lead to penalty / surcharge. The same will be mentioned in his / her fee voucher.
2. Every year from the second year, the fee is required to be paid on semester to semester basis at the beginning of each semester.
3. Examination form of any student who fails to clear his/her dues within stipulated time period may not be forwarded to the Controller of Examinations of University and he/she may not be allowed to appear in examination.
4. The fee covers admission, tuition and other fees as mentioned. It does not include University Enrolment, Examination fee and University Administrative Charges.
5. The Management of College reserves the right to change the fee structure any time if needed in special circumstances.
6. Students who failed in two or more subjects in a semester, will have to repeat the semester and pay full semester fee as repeater.
7. A student who fails to clear all the courses of the year after Re-sit Examination of that year will have to repeat the year and will be considered as a Repeater. He will have to pay full fee for the repeating year. **For example :** If a student fails to clear all or few courses of first and second semester in Annual and re-sit examination, will be a “repeater” student. He/ She will repeat first year (1st and 2nd semester both) and will pay full year’s fee excluding admission fee as repeater’s fee.
8. Fee can be deposited through a payorder in favour of Abu Zafar Institute of Medical Sciences Malir Karachi or online in Askari Bank Account Number **2380420000131** Malir Kalaboard Branch Karachi.

Learners Discipline and Demeanors

These rules are applicable all students who are admitted to Abu Zafar Institute of Medical Sciences.

1. No student or group of students shall form society / association / organization.
2. No outsider will be invited by the students to address any meeting at the Institute or hospital etc whether academic, social, religious or political (without prior written permission of the Principal / Director). Decisions of Principal / Director will be final and taken on case to case basis.
3. Students are not allowed to paste any poster, pamphlet or fix banners on the wall Graffiti on walls (wall chalking) of the premises of the Institute / Hospital.
4. During teaching hours or clinical posting, students are prohibited to play or roam around in the premises.
5. No student or group of students shall arrange any programme, picnic, musical concert sports activities etc., on their own, without prior written permission from the Principal / Director.
6. No student or group of students is allowed to collect money for any purpose whatsoever on their own.
7. College Identity Card, (ID) should be displayed, at all times, when the students are in the premises of the Institute / Hospital. Faculty members / Administration and security staff are authorized to check the I.D. cards at any time.
8. If any students wants to publish his/her scientific or literary article, he/she must get the draft approved, by the Principal / Director. They are also required to submit the copy of the final article / paper to be published to the Institute.
9. Students will not be allowed to address the media or national press on any subject, if found severe disciplinary action shall be taken.
10. Students are forbidden to address higher authorities directly. Any communication intended, needs to rout through Principal / Director.
11. Smoking, pan chewing, littering, spitting and other activities, prejudicial to the conduct are prohibited in the classroom, laboratories, seminar / tutorial rooms, library during and after college hours and wards during clinical posting.
12. Unless specifically permitted, no student or group of students are allowed to enter administrative and department offices or teaching areas like laboratory, lecture hall of the institution or department and / or use office equipment(s) / machinery like telephone, computer, printer, overhead projector, slide projector or multimedia etc.
13. No student is allowed to bring weapon / ammunition, liable to cause injury, or any other harmful item, inside the Institution.
14. No student or group of students will threaten, stop, harass, forcibly disallow or evict another bonafide student or group of students.
15. Misbehavior with faculty members and other staff members of the Institution / Hospital by a student or group of students is completely prohibited. Such misdemeanors would attract penalties as severe as expulsion and rustication.
16. Willful, damage to either public or personal property in the Institution / Hospital by a student or group of students, is completely prohibited. Such misdemeanors would attract penalties as severe as expulsion and rustication.
17. Use of loudspeakers / amplifiers, megaphone is prohibited in the premises of the Institution / Hospital unless permitted.

18. No student will be allowed to park his / her car at the place specified for staff & faculty unless specifically allowed by the competent authority.

Suspension

A student shall be liable for suspension up to six months or more if he/she commits any of the following acts:

1. Misbehaves or quarrels with any teacher or member of the staff.
2. Is generally disobedient.
3. Spreads false rumors.
4. Uses unbecoming, indecent or filthy language.
5. Incites other students to violence.
6. Is inappropriately dressed.
7. Shouts, abuses, quarrels or fights with fellow students.
8. Raises slogans to hurt others, politically or religiously.
9. Interferes with the administration, including the mode or schedule of examination.
10. Indulges in acts of immorality.
11. Indulges in any kind of political activity including displaying posters or play-cards within the college.
12. Remains absent continuously for more than 4 weeks without prior permission.

Rustication

A student may be rusticated for a period of 02 years or more due to any of the following acts:

1. Taking forceful possession making unauthorized use or damaging any property.
2. Involving himself / herself in any agitational activity.
3. Found indulging in activities, prejudicial and detrimental to the good order of the college.
4. Adopting unfair means during examination.
5. Disobeying an order of suspension passed against him/her.
6. Any other act, which the principal or the disciplinary committee considers inappropriate.
7. Not submitting the prescribed undertaking about non-involvement in political activities and others.
8. Any student suspended or rusticated for the reasons mentioned above shall not be allowed to appear in the examination.

Expulsion:

A student is liable to be expelled from the college if he/ she commit any of the following acts and this order shall be final and irrevocable if he/she:

1. Is found in possession of firearms or lethal weapons or Narcotic drugs in the college premises, hostels, examination hall, teaching hospitals or any other area of college and hospital.
2. Remains absent for more than three months without permission of the principal his/her admission shall be cancelled by the disciplinary committee of the college / institute.

3. Any other act, which the principal or the disciplinary committee considers inappropriate.

Students Disciplinary Rules & Procedure:

1. Any student indulging in conduct contrary to the above mentioned rules shall be dealt with in accordance with the AZIMS conduct rules and the procedure.
2. Institution will have a Disciplinary Committee which shall be notified with the approval of the Principal / Director to deal with all the disciplinary matters.
3. The Principal on Sue Moto or on any complaint, may initiate action against any student of the college and refer the case to the Director of the Institute for appropriate recommendation.
4. Before taking any action, the principal shall serve a show cause notice to student indicating briefly the charges against him. The accused student will have to give a written reply within 03 days. He /She will be offered a chance for personal hearing in front of the disciplinary committee after which the Principal of the college is empowered to suspend, rusticate or expel the student.
5. Any student whose name appears in the F.I.R. pertaining to any non-bail able offence as specified in the criminal procedure code (Cr. P.C.) will be suspended. During the pending period of the case he/she will not be allowed classes or take up any examination.

Dress Code:

All students must follow the proper dress code. Wear decent shoes & clothes, Sandle and slippers are not allowed (Except in special circumstances), in case of default, disciplinary action will be taken. Every student should wear white coat with college logo at college premises.

Library Policy

Timings

1. Library Timings are 08:00 am to 08:00 pm. (Monday to Friday)
2. On Fridays all Sections of Library will remain closed during 01:00 pm to 02:30 pm on account of Lunch & Prayer Break.

Library Decorum

1. Silence must be observed in all sections of library. Users are requested to avoid discussion in Library and Learning Resource Centre and not to take photos or films with any devices.
2. Library Staff will not be responsible for any loss and theft of personal items.

Learning Resource Section / Computer Lab:

Library provides internet resource facility. These resources are a valuable asset to be used and managed responsibly, to ensure their integrity, security, and availability for appropriate educational and research activities. All authorized users of these resources, are required to use them in a responsible manner. Severe action will be taken in case of damage to Property.

Academic Hours

The Institute will remain in session from Monday to Friday during Morning Session (8.00 am to 2:00pm); whereas, evening session will be Monday to Friday (2:00 – 8:00pm). Timing may be changed as per requirement / circumstances by the management.

Attendance Policy

1. At least 85 % attendance is required by each student in theory classes and practical. However, in case of emergency/sickness, students may miss up to 15% (3 days), cumulatively of classes.
2. If a student misses more than 15% (3 days), cumulatively per semester, he/she may be asked to repeat the semester or be withdrawn from the programme.
3. All students' must be in the class room according to given schedule for all classes. There will be 10 minutes relaxation for students and they must reach within the time otherwise they will be marked as absent.
4. No student is allowed to leave class, practical or clinical without permission of the teacher or at the end of the concerned session.
5. Use of mobile phone is strictly prohibited in the class, practical and clinical settings.

Leave Policy

1. A student is not allowed any leave however, in case of any emergency or of a genuine reason affirmed by teacher / Principal.
2. A student can avail sick leave up to 03 days / term, more than that will be subject to provision of medical certificate and consultation of year coordinator / principal.
3. A student is permitted only 3 days leaves / term in case of acute emergency, celebration or death of any member of immediate family.
4. A student must submit leave form/ application and confirm regarding approval from principal's office.
5. Only designated days leaves will be given after each semester /year.
6. Students must not leave the institution without the permission of the principal.

Evaluation Policy

1. Students are assessed for learning throughout the respective programme.
2. Overall, evaluation is given at the completion of the semester / programme / year.

Progression Policy

A passing grade is required to be promoted in next semester/ year. All courses must be passed by the end of each term / module / semester / year.

Professional Appearance

1. Hairs should be neat and well combed. Beard must be trimmed properly or shaved.
2. Nails should be trimmed, clean and not polished during clinical experience.
3. Cosmetics can be used moderately / sparingly.

4. Chewing gum, Pan, Chalia or Naswar is strictly prohibited.
5. Use of mobiles will not be allowed in clinical, class rooms, Library, Computer Lab and any prohibited area.
6. All students are required to wear College ID card visible clearly throughout their academic hours at College, at field visit and at Clinical areas.

Disclaimer:

The provisions made in the prospectus are liable to be modified, relaxed or amended by the administration from time to time and such changes shall be applicable to all concerned.

Sample Paper - Entrance Test

Paper Duration 120 minutes

SECTION-I PHYSICS (25 Questions)

1. A 10N force acting on a body at 60° with the horizontal, moves the body to a distance of 20m. The work done is:
A. 200J
B. 100J
C. 100 $\sqrt{3}$ J
D. 50J
2. In interference, the bright fringes are:
A. Wider than the dark fringes
B. Narrower than the dark fringes
C. Equal in width to that of dark fringes
D. None of the above.
3. The electric and magnetic fields of a light wave oscillate:
A. Parallel to the direction of propagation
B. Perpendicular to the direction of propagation
C. Parallel to one another
D. Perpendicular to one another.
4. If an elevator contains a 50 kg box falling downward with 2m/s^2 acceleration, the weight shown in a spring balance attached to the elevator is:
A. 400 N
B. 9000 N
C. 600 N
D. 500 N

SECTION-II

ENGLISH (15 Questions)

- The speaker said to the audience, "Now I am ready to listen to your questions."
 - The speaker told the audience that I was then ready to listen to their questions.
 - The speaker told the audience that he was then ready to listen to their questions.
 - The speaker told the audience that he is then ready to listen to their questions.
 - The speaker told the audience that he was now ready to listen to their questions.
- He will finish the work in a fortnight.
 - The work will be finished by him in a fortnight.
 - In a fortnight he will finish the work.
 - The work will have to be finished in a fortnight by him.
 - The work must be finished by him in a fortnight.
- Most sociologists recognize ____ types.
 - four main types of social change
 - the social change of four main
 - are four main types of social change
 - and social change of four main types.
- Soft materials such as cork and foam absorb ____ that strikes them.

A. most sound of it	B. most of the sound
C. the sound most	D. sound the most

SECTION-III

CHEMISTRY (25 Questions)

- In the crystal small molecules are held by weak forces and the crystal have low melting and boiling point the crystal must be:

A. Ionic	B. Covalent
C. Metallic	D. Molecular

2. Graphite used in the preparation of electrodes because:
- A. It is a soft substance
 - B. It is a non-metal
 - C. It has hexagonal structure
 - D. It is good conductor of electricity.
3. Organic acids are:
- A. Weak dibasic acid
 - B. Weak monobasic acid
 - C. Strong dibasic acid
 - D. Strong monobasic acid
4. Chelates are:
- A. Inorganic salts
 - B. Ores of metals
 - C. Flux
 - D. Transition metal complexes

SECTION-IV

BIOLOGY (25 Questions)

1. The non-motile spores of *Chlorella* which germinate into a individual is known as:
- A. Endospore
 - B. Palmella stage
 - C. Aplanospore
 - D. Exospores
2. The conjugated hyphae of fungi are:
- A. Homothallic
 - B. Heterothallic
 - C. Both of these
 - D. None of the above
3. In vascular tissue only living cells are:
- A. Tracheid
 - B. Vessels
 - C. Sieve tubes
 - D. Companion cells
4. *Sycon* belongs to the class
- A. Hexactinellida
 - B. Crustae
 - C. Calcarea
 - D. Demospongiae

SECTION-IV

GENERAL KNOWLEDGE (10 Questions)

1. The country known as the Land of White Elephant is
 - A. India
 - B. Singapore
 - C. Indonesia
 - D. All are incorrect
2. The first Governor General of Pakistan is
 - A. Muhammad Ali Jinnah
 - B. Liaquat Ali Khan
 - C. Iskander Mirza
 - D. Fatima Jinnah
2. Largest airport is in which country.
 - A. China
 - B. Saudi Arabia.
 - C. USA
 - D. UK
3. Nehru report was released in.
 - A. 1928
 - B. 1929
 - C. 1927
 - D. 1930





Abu Zafar Institute of Medical Sciences

45-A, Malir Township, Malir Kalaboard bus stop,
Main National Highway, Karachi.

Ph. : 021-34493599

E-mail: azims.rpcon@gmail.com