



**A. S. R. B**

**2020**

**PROSPECTUS**

**M.Phil., MS., Ph.D., M.S.(Surgery) &  
M.D.(Medicine) Program 2020**

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## INTRODUCTION

University of Karachi established in 1951, is one of the oldest institutions of higher education of Pakistan. It offers rigorous and vibrant graduate and post-graduate degree programs in the Faculties of Arts and Social Sciences, Education, Islamic Studies, Law, Management & Administrative Sciences, Engineering, Medicine, Pharmacy and Science. The research and the teaching programs are supervised by about 400 qualified faculty members. These postgraduate programs are offered in 57 teaching departments and 17 research institutes and centers.

University of Karachi offers graduate and post-graduate students well equipped laboratories, digital library and video-conferencing facilities in a multi-disciplinary environment. It is committed to uphold its tradition of producing top-quality graduates in cutting-edge areas of Business and Management Sciences, Bio-Medical & Engineering Sciences, Technologies, Social and Natural Sciences. The programs are designed to match the emerging needs of industries and research and development organizations, both in public and private sectors.

During the last five years, University of Karachi has awarded more than 2000 M.S (Surgery) M.D (Medicine), M.Phil. and Ph.D. degrees. Presently, more than 4320 students are enrolled in M.S., M.D., M.Phil. and Ph.D., programs. Faculty members at the University of Karachi are engaged in pursuing research in various disciplines and publish extensively in journals of international repute.

University of Karachi provides excellent opportunities to its postgraduate students and faculty members for scholarships, linkages, trainings and collaboration with the world's top universities in research projects with universities / institutions / centers in the technologically advanced countries.

## **ADMISSION TO M.Phil., M.S. AND Ph.D. DEGREE PROGRAMS**

### **Requirement and Procedure for M.Phil. and M.S.**

#### **A. Eligibility Criteria (M.Phil. and M.S.)**

1. At least sixteen years of studies (Masters degree, M.A., M.Sc., M.B.A., M.P.A., B.B.A. (4 years), M.A.S., M.L.I.S., M. Com., B.S. (4 years), B. Pharm., Pharm.D., M.B.B.S., B.D.S., D.V.M.) or equivalent qualification with at least second division in the relevant field. However, candidates with M.B.B.S., B.D.S., D.V.M. or equivalent qualification will be required to undertake 15-credit hour courses (300-600 level), in addition to 24-credit hour courses prescribed for M.Phil. program and 30 credit hour courses for M.S. program. There is no requirement to submit Equivalence certificate for the graduates of Public Sector Universities.

**Note:** 6 credit hours of research work is mandatory for M.Phil. Those candidates who have done M.S. (with course work) are not eligible for admission in Ph.D.

2. The admission will be granted based on Merit and Interview by the Departmental Research Committee of the concerned department /center/institute.

#### **B. Admission Procedure (M.Phil. and M.S.)**

1. All candidates will be required to submit online the following documents along with the Form:
  - i. Photocopy of the consolidated transcript/marks certificate of the last degree examination.
  - ii. Photocopy of Computerized National Identity Card.
  - iii. Recent passport size photograph.
  - iv. Receipt of paid fee voucher.
2. All the students who are eligible will be required to appear for an interview to be conducted by the respective Departmental Research Committee (DRC) to finalize the admission procedure.

#### **C. Provisional Admission for M.Phil.**

1. Applications for provisional admission will be considered based on eligibility, merit, availability of seats and supervisors.
2. Final admission list will be prepared by the DRC according to the following formula:
  - i. The marks obtained in the prerequisite degree examination will be given 70% weightage.
  - ii. The marks obtained in the interview will be given 30% weightage. Distribution of interview marks are given in **Annexure-II**
  - iii. **Candidates with at least 50% marks in interview will be considered for provisional admission.**

#### **D. Submission of Forms for Provisional Admission**

Candidates selected for provisional admission must submit the following documents along with the completed admission forms duly signed by the Chairperson/Director of the Department/Institute/Center and the Dean of the Faculty concerned:

1. Two recent passport size photographs duly attested by the Chairperson/Director of the Departments/Institute/ Centers concerned.
2. Attested photocopies of certificates/ degrees from S.S.C. to Masters or the prerequisite exam.
3. Degree holders of other Universities must submit photocopy of Migration Certificate.
4. An attested photocopy of Computerized National Identity Card.
5. A letter of leave for two years from the employer, if the candidate is in service or a certificate of non-employment stating that during research no employment shall be undertaken, executed on a stamp paper worth Rs. 100/- (attested by Notary Public/ Oath Commissioner).
6. Teachers and employees of organization where research work is conducted are exempted from leave. However, a NOC from the employer and a certificate stating that employment is relevant to his/her research from the Chairperson/Director of the concerned Department/ Institute/ Center will be required.
7. In case of foreign students, NOC from the Ministry of Education, Economic Affairs Division and Ministry of Foreign Affairs, Government of Pakistan, Islamabad and an attested copy of valid visa and passport.
8. Certificate from the Equivalence Committee, University of Karachi, in case the accreditation status of the prerequisite degrees is not clear.
9. The Admission & Tuition fee. (**Annexure I**)  
(**All Photostat Copies should be attested**)

#### **E. Duration of M.Phil. and M.S.**

The duration of M.Phil. and M.S. will be minimum of two (02) and maximum of four (04) years from the date of provisional admission. No further extension will be possible.

#### **F. Course Work**

##### **a) M.S. (with course work degree)**

1. All selected candidates will be required to complete 10 courses of 30 credit hours (each of 3 credit hours in four semesters) in 2 years.
2. Every candidate will be required to take at least 50% courses in the parent department.
3. Every candidate will be required to submit details of courses duly endorsed by the course Incharge and Chairperson of the parent department in the Semester Examination Section on prescribed course selection proforma (Annexure-III).
4. Candidates are required to attend at least 75% classes of each course.
5. In the first year, all the candidate will be required to complete 8 courses of 24 credit hours (4 courses in each semester). In second year, the candidate must pass the 2 courses of 6 credit hours (1 course in each semester) along with non-credit hours and independent study (essay writing/project).

6. The candidate must clear the course work of 30 credit hours with minimum CGPA 3.00.
7. **A student who will be declared short of CGPR shall improve it in the next available single chance, by appearing in any two courses having less than 70 marks i.e. B<sup>-</sup>.**
8. If the student fails to attain a CGPA of 3.00 or more even after availing the improvement chances, after one year or overall within three years, he/she will be given only a Post Graduate Diploma (PGD) instead of M.S. degree. Minimum 2.5 CGPA is required for Post Graduate Diploma.
9. **Please note that candidates Obtaining M.S. (with course work) degree will not be eligible for admission in Ph.D.**

**b) M.Phil. (with Course and Research Work)**

1. All selected candidates will be required to complete 8 courses of 24 credit hours in two semesters (each course of 3 credit hours).
2. Every student will be required to take at least 50% courses in the parent department.
3. Candidates are required to attend at least 75% classes of each course.
4. Every candidate will be required to submit details of courses duly endorsed by the course Incharge and Chairperson of the parent department in the Semester Examination Section on prescribed course selection proforma (Annexure-III).
5. The student must pass the course work with CGPA 3.0 or more.
6. **A student who will be declared short of CGPR shall improve it in the next available single chance, by appearing in any two courses having less than 70 marks i.e. B<sup>-</sup> grade**
7. If the student fails to attain a CGPA of at least 3.00 even after availing the two improvement chances, after one year or overall within three years, he/she will be given only a Post Graduate Diploma (PGD) instead of M.Phil. degree. Minimum 2.5 CGPA is required for Post Graduate Diploma.
8. After passing the course work with CGPA 3.0 or more, the student will be required to apply through proper channel for confirmation of admission and approval of research proposal.
9. The student will submit a research proposal according to approved format of the ASRB through proper channel (within 3 years from the date of provisional admission) along with a copy of the marks certificate issued by the Semester Examination Section.

**G. Evaluation & Award of M.Phil. Degree**

**i. M.S. (with Course Work)**

The student will submit a mark sheet of 30 credit hours course work with CGPA 3.0 or more along with application through proper channel in ASRB for the award of M.S. degree (with course work). They are not eligible for the admission in Ph.D.

**ii. M.Phil. (with Course and Research Work)**

The student will submit a research thesis which will be evaluated by two external examiners (outside Karachi) appointed by the ASRB. The M.Phil. degree shall be awarded by the ASRB subject to positive reports of the

supervisor, the two external examiners and a successful oral defense of the thesis by the candidate.

## **DOCTOR OF PHILOSOPHY (Ph.D.)**

### **Requirements and Procedure**

#### **A. Eligibility**

1. M.Phil., M.Pharm., M.S. (with Research), M.B.A. (with 4 years B.B.A.) or equivalent qualification in the relevant field from an HEC recognized university/institution.
2. The admission will be granted based on Merit & Interview by the Departmental Research Committee of the concerned department/center/institute for admission in Ph.D. program.

#### **B. Admission Procedure (Ph.D.)**

1. Candidates will be required to online submit the following documents along with the Form:
  - i. Photocopy of the consolidated transcript/marks certificate of the last degree examination.
  - ii. Photocopy of Computerized National Identity Card.
  - iii. Recent passport size photograph.
  - iv. Receipt of paid fee voucher
2. All the eligible students will be required to appear for an interview to be conducted by the respective Departmental Research Committee (DRC).

#### **Provisional Admission for Ph.D.**

3. Applications for provisional admission will be considered based on eligibility, merit, availability of seats and supervisors.
4. Final admission list will be prepared by the DRC according to the following formula:
  - i. The marks obtained in the prerequisite degree examination will be given 70% weightage.
  - ii. The marks obtained in the interview will be given 30% weightage.

Distribution of interview marks are given in **Annexure-II**

**Candidates with at least 50% marks in interview will be considered for provisional admission.**

#### **C. Submission of Forms for Provisional Admission**

Candidates selected for provisional admission will be required to submit the following documents along with the complete admission forms duly signed by the Chairperson/Director of the Department/Institute/Center and the Dean of the Faculty concerned:

1. Two recent passport size photographs duly attested by the Chairperson/Director of the Departments/Institute/ Centers concerned.
2. Attested photocopies of certificates/ degrees from S.S.C. to M.Phil. or the prerequisite exam.
3. Degree holders of other Universities must submit Migration Certificate.
4. An attested photocopy of Computerized National Identity Card.

5. A letter of leave for two years from the employer, if the candidate is in service or a certificate of non-employment stating that during research no employment shall be undertaken, executed on a stamp paper worth Rs. 100/- (attested by Notary Public/ Oath Commissioner).
6. Teachers and employees of organization where research work is conducted are exempted from leave. However, a NOC from the employer and a certificate stating that employment is relevant to his/her research from the Chairperson/Director of the concerned Department/ Institute/ Center will be required.
7. In case of foreign students, NOC from the Ministry of Education, Economic Affairs Division and Ministry of Foreign Affairs, Government of Pakistan, Islamabad and an attested copy of valid visa and passport.
8. Certificate from the Equivalence Committee, University of Karachi, in case the accreditation status of the prerequisite degrees is not clear.
9. The Admission & Tuition fee. (**Annexure-I**)

#### **D. Duration of Ph.D.**

The duration of Ph.D. is minimum of three (03) and maximum of seven (07) years from the date of provisional admission. However, the ASRB may extend the period up to one year on account of any specific circumstances on the recommendation of supervisor.

#### **E. Course Work for Ph.D.**

1. All the selected students will be required to complete 18 credit hours course work.
2. Candidates are required to attend at least 75% classes of each course.
3. The student will submit a research proposal according to approved format of the ASRB through proper channel.

#### **F. Appointment of Research Supervisor**

Faculty members of University of Karachi or ASRB/HEC approved supervisors will be appointed as research supervisors. In case of retirement of supervisor or supervisor from other university or institute, the appointment of co-supervisor from the parent department is mandatory.

#### **G. Evaluation and Award of Ph.D. Degree**

1. During the research, the student must publish at least one research paper from the thesis in any HEC-recognized/refereed/ international/national journal before submission of Ph.D. thesis. A reprint of the paper should be submitted at the time of thesis submission. If the paper is not yet published, a letter of acceptance from an impact factor journal shall be submitted along with the thesis. However, the student will be required to submit a copy of the published research paper in the ASRB Section before the award of Ph.D. degree.
2. The thesis shall be evaluated by two foreign examiners (from technologically advanced countries) appointed by the ASRB.
3. The Ph.D. degree will be awarded by the ASRB subject to the positive reports from the supervisor, two foreign examiners and a successful public defense followed by the viva voce examination.



## **DOCTOR OF PHILOSOPHY (Ph.D.) LAW**

### **Requirements and Procedure**

#### **A. Eligibility**

1. L.L.M. or equivalent qualification in the relevant field from an HEC recognized university/institution.
2. The admission will be granted based on Merit & Interview by the Departmental Research Committee of the School of Law. Guideline for Interview marks are given in **Annexure- II**.

#### **Provisional Admission for Ph.D.**

3. Applications for provisional admission will be considered based on eligibility, merit, availability of seats and supervisors.
4. Final admission list will be prepared by the DRC according to the following formula:
  - i. The marks obtained in the prerequisite degree examination will be given 70% weightage.
  - ii. The marks obtained in the interview will be given 30% weightage. Distribution of interview marks are given in **Annexure-II**

**Candidates with at least 50% marks in interview will be considered for provisional admission.**

#### **B. Admission Procedure (Ph.D.)**

Candidates will be required to online submit the following documents along with the Form:

- i. Photocopy of the consolidated transcript/marks certificate of the last degree examination.
- ii. Photocopy of Computerized National Identity Card.
- iii. Recent passport size photograph.
- iv. Receipt of paid fee voucher

#### **C. Submission of Forms for Provisional Admission**

Candidates selected for provisional admission must submit the following documents along with the complete admission forms duly signed by the Chairperson/Director of the Department/Institute/Center and the Dean of the Faculty concerned:

1. Two recent passport size photographs duly attested by the Chairperson/Director of the Departments/Institute/ Centers concerned.
2. Attested photocopies of certificates/ degrees from S.S.C. to M.Phil./L.L.M. or the prerequisite exam.
3. Degree holders of other Universities must submit Migration Certificate.
4. An attested photocopy of Computerized National Identity Card.
5. A letter of leave for two years from the employer, if the candidate is in service or a certificate of non-employment stating that during research no employment shall be undertaken, executed on a stamp paper worth Rs. 100/- (attested by Notary Public/ Oath Commissioner).
6. Teachers and employees of organization where research work is conducted are exempted from leave. However, a NOC from the employer and a certificate

stating that employment is relevant to his/her research from the Chairperson/Director of the concerned Department/ Institute/ Center will be required.

7. In case of foreign students, NOC from the Ministry of Education, Economic Affairs Division and Ministry of Foreign Affairs, Government of Pakistan, Islamabad and an attested copy of valid visa and passport.
8. Certificate from the Equivalence Committee, University of Karachi, in case the accreditation status of the prerequisite degrees is not clear.
9. The Admission & Tuition fee. (Annexure-I).

#### **D. Duration of the Ph. D. Law**

The duration of Ph.D. is minimum of three (03) and maximum of seven (07) years from the date of provisional admission. However, the ASRB may extend the period up to one year on account of any specific circumstances on the recommendation of supervisor.

#### **E. Course Work**

1. All the selected students will be required to complete 18 credit hours course work.
2. Students are required to attend at least 75% classes of each course.
3. The student will submit a research proposal according to approved format of the ASRB through proper channel.

#### **F. Appointment of Research Supervisor**

Faculty members of University of Karachi or ASRB/HEC approved supervisors will be appointed as research supervisors.

#### **G. Evaluation and Award of Ph.D. Degree**

1. During the research, the student must publish at least one research paper from the thesis in any HEC-recognized/refereed/ international/national journal before submission of Ph.D. thesis. A reprint of the paper should be submitted at the time of thesis submission. If the paper is not yet published, a letter of acceptance from an impact factor journal shall be submitted along with the thesis. However, the student will be required to submit a copy of the published research paper in the ASRB Section before the award of Ph.D. degree.
2. The thesis shall be evaluated by two foreign examiners (from technologically advanced countries) appointed by the ASRB.
3. The Ph.D. degree will be awarded by the ASRB subject to the positive reports from the supervisor, two foreign examiners and a successful public defense followed by the viva voce examination.

# **MASTER OF SURGERY (M.S.) DOCTOR OF MEDICINE (M.D.)**

## **I. Guideline for Admission**

### **A. Eligibility**

- i. Basic Medical Qualification of M.B.B.S./B.D.S., or equivalent medical qualification recognized by Pakistan Medical & Dental Council.
- ii. One-year house job from a PMDC recognized Institution
- iii. Permanent valid Registration with Pakistan Medical & Dental Council.
- iv. In case of foreign candidate, valid registration with Medical Council of their country of origin must be produced.

### **B. Admission Procedure**

- i. All Candidates will be required to submit the online Form along with attested photocopies of the following documents: -
  - a) Computerized National Identity Card (CNIC)
  - b) MBBS/BDS degree with detail marks certificates of all professional
  - c) MBBS/BDS Attempts certificates of all professional
  - d) NEB pass certificate (for foreign graduates)
  - e) House Job certificates
  - f) PMDC valid permanent registration certificate
  - g) Experience Certificates (if any)
  - h) Migration Certificate (To be produced at the time of admission)
  - i) Applicants who are Government Servants/Serving in Autonomous bodies should apply through proper channel. NOC required at the time of joining.
  - j) Receipt of paid fee voucher.
- ii. All the students who are eligible will be required to appear for an interview. to be conducted by the interview board of Medical Faculty to finalize the admission procedure.

### **C. Final Merit list for Admission**

Applications for provisional admission will be considered on the basis of eligibility, merit, availability of supervisors and training slots in approved Hospitals.

Final Merit list for admission will be prepared by the Board of Medical faculty according to the following formula:

- I. The marks obtained in the prerequisite degree examination will be given 70% weightage.
- II. The marks obtained in the interview will be given 30% weightage.

Interview of eligible candidate will be based on Medical knowledge, number of attempts in each professional examination, any gold medals or distinctions, Knowledge of recent medical advances and issues work experience in relevant speciality, research experience, any research article published in a National or International Journal.

Candidates will be required to score atleast 50% marks in interview for consideration in provisional admission.

In case of incorrect information, the University has the right to cancel the application of admission without refund of fee.

## **II. Provisional Admission**

Selected candidate is required to submit the following along with the admission form:

- i. Two recent passport size photographs duly attested by the Head of Department and Dean, Faculty of Medicine.
- ii. Copy of the valid registration certificate from Pakistan Medical and Dental Council (PMDC).
- iii. Degree holders of other Universities must submit Migration Certificates.
- iv. Photocopy of Computerized National Identity Card.
- v. Certificate of four years leave for training from the employer. This leave will be 5 years in case of sub-specialties. However, if the candidate is in service under his /her supervisor, NOC / 1-year leave /deputation letter from the employer is required.
- vi. Teachers and employees of organization where research work is conducted are exempted from leave. However, a NOC from the employer and a certificate stating that employment is relevant to his/her research from the Head of Department will be required.
- vii. A certificate of non-employment stating that during training no employment (other than training program) shall be undertaken/ executed on a stamp paper worth Rs. 100/- (attested by Notary Public/ Oath Commissioner).
- viii. In case of foreign students, NOC from the Ministry of Education, Economics Affairs Division and Ministry of Foreign Affairs, Government of Pakistan Islamabad and an attested copy of valid visa and passport.
- ix. Certificate from the Equivalence Committee, University of Karachi in case the accreditation status of the degrees is not clear.
- x. The Admission & Tuition fee, given in fee structure (Annexure I).

## **III. Registration and Enrollment**

- i. After the completion of all documentation of admission each candidate shall have to select a supervisor and register himself as PG trainee in the Karachi University approved relevant institution.
- ii. Each candidate shall have to select a supervisor. The supervisor must fulfill the criteria of the University of Karachi. ASRB shall approve the supervisor on the recommendation of the Board of Faculty of Medicine.
- iii. The Supervisor should have major postgraduate degree / diploma i.e. F.C.P.S., Ph.D, F.R.C.S., F.R.C.P., M.R.C.O.G., M.S., M.D. or equivalent with at least 5 years standing in an academic position/Professor in recognized teaching institution approved Karachi University and PMDC.
  - a. The Supervisor of some other training/research program e.g. F.C.P.S., should not have more than 8 trainee slots total number of students enrolled for the course must not exceed 2 per supervisor/year.
  - b. The Supervisor should follow the structured training program provided by the University of Karachi (ASRB) for his/her candidate, including one-year course work and is required to submit report to the ASRB of the candidates quarterly.

- c. The Supervisor will guide his/her student in synopsis writing as per laid down criteria of the university and will verify the synopsis before submission to the University of Karachi.
- d. Provisionally admitted Candidates for the selected course after their registration at the relevant institutions shall be enrollment with University of Karachi as per prescribed Enrolment Regulations.

#### **IV. Scheme of Study**

##### **A. Duration of the Course**

The duration of M.S./M.D. course shall be minimum four (4) years and maximum of 07 years (in specialties) or minimum five (5) years and maximum 08 years (in subspecialties) with structured training in a Karachi University approved institution under the guidance of an approved supervisor.

##### **B. Course Design**

The course is structured design in three parts:

- Part A: Basic Medical Sciences
- Part B: Research & Thesis writing.
- Part C: Clinical Training

##### **Part-A: Basic Medical Sciences**

- i. All selected candidates shall require completing 8 courses of 24 credit hours in two semesters (each of 3 credit hours) in Basic Medical Sciences.
- ii. Subjects to be taught shall be Anatomy, Physiology, Biochemistry, Pharmacology in first semester and Pathology, Medical Ethics, Behavioral Sciences, Biostatistics & Research Methodology in second semester.

**Note:** The clinical training is fundamental concepts of M.S./M.D. Course and it shall start from the 1st day of the enrollment.

##### **Part-B: Research & Thesis writing**

###### **a. Submission of Synopsis**

- i. The Synopsis of research project shall be submitted at the end of first year after qualifying the Part-A examination of M.S./M.D. program, according to approved format of the ASRB through proper channel along with a copy of the marks certificate issued by the Semester Examination Section.
- ii. Each synopsis submitted must be approved by an Institutional Scientific & ethical Review Committee.
- iii. Each candidate shall submit a synopsis dealing with his/her relevant subject or any of its branches.
- iv. The research topic must consist of a reasonable sample size and sufficient numbers of variables to give training to the candidate to conduct research, to collect & analyze the data.
- v. The supervisor shall also submit a certificate to the effect that the facilities did exist at the institute for the work embodied in the thesis and that the work has not already been submitted as a thesis to any other university.

###### **b. Submission of Thesis**

- i. Thesis shall be submitted by the candidate duly recommended by the

- Supervisor.
- ii. The candidate shall submit a declaration to the effect that thesis embodies the work conducted by the candidate.
  - iii. The minimum duration between approval of synopsis and submission of thesis shall be one year, but the thesis cannot be submitted later than 7 years of enrolment.
  - iv. The research thesis must be compiled and bound in accordance with the Thesis Format Guidelines approved by the University.
  - v. During the research, the student must publish at least one research paper from the thesis in any HEC-recognized/refereed/ international/national journal of repute and submit a copy of it along thesis or submit a letter of acceptance in case of ISI index journal with the thesis to ASRB. However, a copy of the published research paper is to be submitted before the award of the degree.
  - vi. The research thesis will be submitted along with the fee prescribed by the University.

### **Part-C: Clinical Training**

- i. Clinical training is structured for 1<sup>st</sup> 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> (5<sup>th</sup> in subspecialties) calendar years although the clinical training shall be started from 1st year.
- ii. The aim of M.S./M.D. program in is to train residents to acquire the competency of a specialist in the relevant field so that they can become good teachers, researchers and clinicians in their specialty after completion of their training in relevant fields.
- iii. The candidate shall undergo clinical training to achieve educational objectives that is knowledge & skills along with rotations in relevant field; however each specialty has its own learning objective to achieve specific learning outcomes.
- iv. During this training period, in addition to the conventional teaching methodologies interactive strategies like conferences will also be introduced to improve both communication and clinical skills in the upcoming consultants.
- v. Conferences must be conducted regularly as scheduled and attended by all available faculty and residents.
- vi. Teaching modalities will includes lectures, seminar presentation, journal club presentation, Grand rounds, Clinical case Conference, Assignment Skill teaching in operation theaters, ICU, emergency and wards settings, Bedside teaching and ward rounds, OPD and follow up clinics, Long and short case presentations, Core curriculum meetings & Annual grand meeting.
- vii. Maintenance of Log Book / assignments.
  - a) The residents must maintain a log book and get it signed regularly by the supervisor. A complete and duly certified log book should be part of the requirement to sit for M.S./M.D. examination.
  - b) Log book should include adequate number of diagnostic and therapeutic procedures observed and performed the indications for the procedure, any complications and the interpretation of the results, routine and emergency management of patients, case presentations in CPCs and journal club meetings.
  - c) The Supervisor shall certify every year that the Log Book is being maintained and signed regularly.
  - d) The Log Book will be submitted in the Advanced Studies & Research Board before examination.

### **C. Exemption from training, Maintenance of Log Book & Examination**

- i. An application for exemption from training, Log Book and examination must be submitted to the ASRB with all the relevant documents and a bank draft of prescribed fee (non-refundable processing fee).
- ii. The Candidates having FRCP, FRCS, FRCOG, FCPS or other major degree/ equivalent shall be exempted from Part-A course work an examination and written papers of Part-C examination. Candidates shall also be exempted from Maintenance of log Book. Their training period will be reduced to 2 years for M.S./M.D. specialties and 3 years for relevant subspecialty. However, the candidate shall have to appear for a **viva voce, Practical and clinical examination before the panel of examiners**, appointed by ASRB on the recommendation of the Board of faculty of Medicine.

### **V. Examination**

The examination shall consist of three parts:

- A. Basic sciences examination.
- B. Thesis evaluation and defense of thesis.
- C. Theory and clinical/practical examination.

#### **Part A: Basic Sciences Examination**

- i. All candidates admitted in M.S./M.D. course shall appear in Part-A examination at the end of each semester.
- ii. All selected candidates will be required to complete 8 courses of 24 credit hours in two semesters (each of 3 credit hours).
- iii. Candidates are required to attend at least 75% classes of each course.
- iv. The student has to pass the course work with CGPA 3.0 or more. In case the student fails to get the desired CGPA, he/she will be allowed to improve the grade as per semester rule. Only two chances for improvement of each course will be given. One chance in regular and second in the subsequent year from the date of provisional admission.
- v. The candidate who fails to pass the examination in 2 consecutive attempts in each subject availed or un-availed, shall be dropped from the course.
- vi. Subjects to be examined shall be Basic Sciences (Anatomy, Physiology, Biochemistry, Pharmacology, In first semester and Pathology, Medical Ethics, Behavioral Sciences, Biostatistics & Research Methodology in second semester.
- vii. To be eligible to appear in each semester examination the candidate must submit,
  - a. Duly filled, prescribed Admission Form to the Controller of Examinations duly recommended by the Principal/Head of the Institution in which he/she is enrolled
  - b. A certificate by the Principal/Head of the Institution, that the candidate has attended at least 75% of the lectures, seminars, practical/clinical demonstrations
- viii. The examination shall have two components:
  - a. Paper-I MCQs (single best) 100 Marks
  - b. Paper-II SEQs 100 Marks
- ix. To be declared successful in Part-A Examination the candidate must secure 60% marks in each paper

**Part B: Thesis Evaluation and Defense Examination.**

- i. During the research, the student must publish at least one research paper from the thesis in any HEC/PMDC-recognized/refereed/ international/national journal before submission of thesis or a letter of acceptance of impact factor journal. He/she will be required to submit a copy of the published research paper in the ASRB Section before the award of degree
- ii. All candidates admitted in M.S./M.D. course shall appear in Part-B thesis examination at the end of 3<sup>rd</sup> year /4<sup>th</sup> year (Subspecialties) of their training course.
- iii. Only those candidates shall be eligible for thesis evaluation and defense who have passed Part A Examinations.
- iv. The examination shall consist of two parts i.e thesis evaluation and defense of thesis.

**Thesis Evaluation**

- i. The thesis shall be evaluated by two foreign examiners (from technologically advanced countries) appointed by the ASRB on the recommendation of the Research supervisor and Dean Faculty of Medicine.
- ii. The examiners shall report whether the thesis is accepted or rejected. In the event of a disagreement between the examiners, ASRB shall appoint a third examiner and the opinion of two of the three examiners shall prevail.

**Thesis Defense Examination**

- i. After the approval of thesis by the evaluators, the thesis defense examination shall be held on such date as may be notified by the Controller of examinations. The Controller of Examinations shall make appropriate arrangements for the conduct of thesis defense examination in consultation with the supervisor, who will co-ordinate the defense examination.
- ii. The thesis defense examination shall be conducted at Dean's Office by two External Examiners who shall submit a report whether the candidate defense the thesis satisfactory or unsatisfactory. The supervisor shall act as coordinator.
- iii. After acceptance of thesis and satisfactory defense of thesis examination, the candidate shall be permitted to appear in Part-C examination.

**Part C- Clinical Examination**

- i. All candidates admitted in M.S./M.D. course shall appear in Part-C (clinical) examination at the end of structured training program (at the end of fourth year in specialties) and having passed the Part-A and Part-B examination.
- ii. The examination shall be held on biannual basis.
- iii. The candidate who fails to pass the examination within 8 years of enrollment shall be dropped from the course.
- iv. To be eligible to appear in Part-C examination the candidate must submit.
  - a. Prescribed Admission Form (duly filled) to the Controller of Examinations duly recommended by the Principal/Head of the Institution in which he/she is enrolled.
  - b. A certificate by the Principal/Head of the Institution, that the candidate has attended at least 75% of the lectures, seminars, practical/clinical demonstrations;



- c. Original Log Book complete in all respect and duly signed by the Supervisor (for Oral & practical/clinical Examination);
- d. Certificates of having passed the Part-A& Part-B examination.
- v. The Part-C examination shall have the following components:
  - a. Written Papers 300 marks
  - b. Oral & practical/clinical examination 300 marks
  - c. Log Book Evaluation 200 marks (50 marks per year)

**a. Written Papers**

- i. There shall be three written papers of 100 marks each.
- ii. Each paper shall have problem-based short/modified essay questions and MCQs.
- iii. The written papers shall be prepared by three external examiners appointed by ASRB on recommendation of Board of faculty of Medicine.
- iv. Only those candidates, who pass in theory papers, will be eligible to appear in the Oral & Practical/ Clinical Examination.

**b. Oral & Practical/Clinical Examination**

- i. Total marks of Oral & practical/clinical examinations are 300 and divided in the following components
  - a. 1 Long Case 100 marks
  - b. 4 Short Cases 100 (25 marks each)
  - c. OSCE/Structured Viva 100 marks
- ii. A viva voce and clinical/ practical examination conducted by a panel of three examiners approved by the ASRB on recommendation of the Board of Faculty of Medicine. The Supervisor will not be an examiner.
- iii. The candidates, who have passed written examination but failed in Oral & Practical/ Clinical Examination, will re-appear only in Oral & Practical / Clinical examination.
- iv. The maximum number of attempts to re-appear in oral & practical /clinical Examination alone shall be three, after which the candidate shall have to appear in both written and oral & practical/clinical examinations as a whole.
- v. Only five total attempts shall be allowed to a candidate within three years of completion of training.

**c. Log Book/Assignments:**

- i. Throughout the length of the course, the performance of the candidate shall be recorded on the Log Book.
- ii. The Supervisor shall certify every year that the Log Book is be maintained and signed regularly.
- iii. The Log Book will be developed & approved by the Advanced Studies & Research Board.
- iv. The evaluation will be maintained by the Supervisor (in consultation with the Co-Supervisor, if appointed).
- v. The performance of the candidate shall be evaluated on annual basis, e.g.50 marks for each year. The total marks for Log Book shall be 200.The log book shall reflect the performance of the candidate on following parameters:
  - Year wise record of the competence of skills.
  - Year wise record of the assignments.

- Year wise record of the evaluation regarding attitude & behavior
  - Year wise record of journal club / lectures / presentations / clinico-pathologic conferences attended & / or made by the candidate.
- vi. To be declared successful in Part-C examination the candidate must secure 60% marks in each component.

**d. Part C examination for Subspecialty.**

Part-C examination for sub-specialty shall be divided into two part:-

- i. Part-C-I
- ii. Part-C-II

Part-C-I shall be held after completion of two years of training in the following manner.

- a. Written.....200 Marks
- b. OSEC.....50 Marks
- c. Clinical Exam.....100 Marks
- d. Log Book .....80 Marks (40 each year)

Part-C-II:- The part-C-II examination shall be held at the end of 5 years & have the following component.

- a. Written.....300 Marks
- b. Oral, Practical & Clinical .....300 Marks
- c. Log Book .....120 Marks (40 each year)

**VI. Award of M.S./M.D. Degree**

After successful completion of the structured course of M.S./M.D. and qualifying Part-A, Part-B and Part-C examinations, the degree with title M.S./M.D. shall be awarded.

**The admission to the Doctor of Medicine (M.D.) is being offered for specialization in the following fields:**

S.No	Specialty	S.No	Specialty
1	Cardiology	11	Oncology
2	Community Dentistry	12	Oral Medicine
3	Community Medicine	13	Oral Biology
4	Dental Material	14	Oral Pathology
5	Dermatology	15	Pediatric
6	Endocrinology	16	Pulmonology
7	Gastroenterology	17	Psychiatry
8	Internal Medicine	18	Physiology
9	Neurology	19	Radiology
10	Nephrology		

**The admission to the Master of Surgery (M.S.) is being offered for specialization in the following fields:**

S.No	Specialty	S.No	Specialty
1	Anesthesiology	10	Ophthalmology
2	Cardiac Surgery	11	Oral Surgery
3	Otorhinolaryngology	12	Orthopedic Surgery
4	Facio Maxillary Surgery	13	Pediatric Surgery

5	Gynecology & Obstetrics	14	Periodontology
6	General Surgery	15	Plastic Surgery
7	Neurosurgery	16	Prosthodontics
8	Operative Dentistry	17	Thoracic Surgery
9	Orthodontics	18	Urology

**Karachi University Approved Hospitals**

1. Liaquat National Hospital, Karachi
2. Jinnah Postgraduate Medical Center, Karachi
3. Abbasi Shaheed Hospital, Nazimabad, Karachi
4. Lyari General Hospital, Karachi
5. National Institute of Cardiovascular Diseases (NICVD)
6. National Institute of Child Health (NICH)
7. Karachi Institute of Heart Diseases
8. Institute of Behavioral Sciences
9. National Institute For Kidney and Urological Diseases

## **ADMISSION SCHEDULE-2020**

### **M.Phil., M.S., Ph.D., M.S.(Surgery) & M.D.(Medicine)**

<b>1.</b>	<b>DATE OF ADVERTISEMENT</b>	<b>5 July, 2020</b>
<b>2.</b>	<b>SUBMISSION OF ADMISSION FORMS</b>	<b>5 July to 19 July 2020</b>
<b>3.</b>	<b>DISPLAY OF LIST OF ELIGIBLE CANDIDATES FOR INTERVIEW ON KU WEBSITE AND STUDENT EMAIL ID</b>	<b>24 July 2020</b>
<b>4.</b>	<b>ONLINE OR PHYSICAL INTERVIEW OF ELIGIBLE CANDIDATES AT THEIR RESPECTIVE DEPARTMENTS / CENTRES / INSTITUTES</b>	<b>Date/time will be announced by the respective departments / centres / institutes 3 Aug, 2020 to 17 Aug2020</b>
<b>5.</b>	<b>DISPLAY OF FINAL MERIT LIST OF SUCCESSFUL CANDIDATES FOR PROVISIONAL ADMISSION ON WEBSITE</b>	<b>24 August 2020</b>
<b>6.</b>	<b>ISSUANCE &amp; SUBMISSION OF PROVISIONAL ADMISSION FORMS &amp; SUBMISSION OF FEE AND DOCUMENTS</b>	<b>25 August to 4 September (In ASRB Office)</b>
<b>7.</b>	<b>COMMENCEMENT OF SEMESTER</b>	<b>8 September 2020</b>

### **Academic Calendar**

#### **First Semester 2020**

<b>Teaching</b>	<b>September 08, 2020 –December 30, 2020</b>
<b>Semester Examinations</b>	<b>January 05, 2021 - January 19, 2021</b>
<b>Semester Break</b>	<b>January 20, 2021 - January 31, 2021</b>

#### **Second Semester 2021**

<b>Teaching</b>	<b>February 01, 2021 - May 31, 2021</b>
<b>Semester Examinations</b>	<b>June 04, 2021 - June 18, 2021</b>
<b>Semester Break</b>	<b>June 19, 2021 - July 31, 2021</b>

**FEE STRUCTURE – 2020****Faculties of Arts & Social Sciences, Islamic Studies & Education**

<b>For M. Phil. Students</b>		
<b>S.No.</b>		<b>Fee</b>
01	Processing Fee	4,500/-
02	Admission Fee	20,000/-
03	Semester Fee (per six month)	30,000/-
04	Departmental Charges (per semester)	3,500/-
05	Thesis Evaluation/Viva Examination Fee	35,000/-
<b>For Ph.D. Students</b>		
01	Processing Fee	4,500/-
02	Admission Fee	20,000/-
03	Semester Fee (per six month)	35,000/-
04	Departmental Charges (per semester)	5,500/-
05	Thesis Evaluation/Viva Examination Fee	65,000/-

**Faculties of Science, Pharmacy, Management & Administrative Sciences & Engineering**

<b>For M. Phil. Students</b>		
<b>S.No.</b>		<b>Fee</b>
01	Processing Fee	4,500/-
02	Admission Fee	20,000/-
03	Semester Fee (per six month)	30,000/-
04	Departmental Charges (per semester)	5,500/-
05	Thesis Evaluation/Viva Examination Fee	35,000/-
<b>For Ph.D. Students</b>		
01	Processing Fee	4,500/-
02	Admission Fee	20,000/-
03	Semester Fee (per six month)	35,000
04	Departmental Charges (per semester)	9,000/-
05	Thesis Evaluation/Viva Examination Fee	65,000/-

**FEE STRUCTURE-2020****Faculty of Law**

<b>Ph.D. (LAW)</b>		
<b>S.No.</b>		<b>Fee</b>
01	Processing Fee	10,000/-
02	Admission Fee	20,000/-
03	Semester Fee (per six month)	35,000/-
04	Thesis Evaluation/Viva Examination Fee	65,000/-

**Faculty of Medicine**

<b>M.S. &amp; M.D.</b>		
<b>S.No.</b>		<b>Fee</b>
01	Processing Fee	10,000/-
03	Admission Fee	55,000/-
04	Semester Fee (per six month)	40,000/-
05	Exemption from training and examination fee	55,000/-
06	Thesis Evaluation/Viva Examination Fee	65,000/-

**FEE STRUCTURE FOR FOREIGN STUDENTS**

<b>S.No.</b>	<b>Name of Faculty (Semester fee per year)</b>	<b>Fee</b>
01	Faculty of Arts & Social Sciences, Education, Islamic Studies	US\$ 5,000/-
02	Faculty of Science, Pharmacy, Management & Administrative Sciences	US\$ 7,200/-
03	Faculty of Medicine, Law	US\$ 10,000/-

**Annexure-II**

**BOARD OF ADVANCED STUDIES & RESEARCH  
UNIVERSITY OF KARACHI**

<b><u>INTERVIEW CRITERIA FOR M.Phil./Ph.D / M.S.(Course Work).</u></b>						
	Research knowledge, Experience & aptitude			Oral Communication	Proposed Research Plan/Project	<b>Total</b>
	Research Experience (Thesis/project)	Research Dissemination (poster/project)	Publication			
Max Marks	04	04	02	10	10	30
Marks obtained						
Comments						
Total Marks Obtained out of 30 =						
<b>Note: Minimum passing marks in interview is 15 out of 30.</b>						

**CUMULATIVE PERCENTAGE**

Name of Student :		
Form No:		
Percentage of last obtained degree ( % )	( )% x 0.7 =	(A)=
Total marks obtained in the interview out of 30 ( )	( )	(B)=
Final Result	(A+B) =	

**Name and Signature of DRC Members**

- |          |          |
|----------|----------|
| 1. _____ | 4. _____ |
| 2. _____ | 5. _____ |
| 3. _____ | 6. _____ |

Name and Signature of Chairperson \_\_\_\_\_



**BOARD OF ADVANCED STUDIES AND RESEARCH  
UNIVERSITY OF KARACHI**

**No. ASRB/Exams/**

- As per KU rules all M.Phil. students are required to complete eight courses of 24 credit hours in two semesters. In each semester there will be 4 courses of 3 credit hours each.
- As per KU rules all M.S. students are required to complete ten courses of 30 credit hours in four semesters. In 1<sup>st</sup> year 8 courses of 24 credit hours in two semesters and in 2<sup>nd</sup> year 2 courses of 6 credit hours in two semesters.
- Each student can take 4 interdisciplinary courses and 4 courses from the parent department. However, there is no restriction on taking two or more than two courses from the parent department.
- All newly admitted M.Phil., M.S. and M.S.(Surgery)/ M.D. (Medicine) students are required to submit the following information duly endorsed by the course Incharge and Chairperson/Director of parent department/ Institute/ center in the Semester Examination Section.

**SEMESTER - I / II**

S. No.	Course No.	Course Title	Name of Department offering the courses	Signature of course Incharge
1				
2				
3				
4				
5				
6				

Name of Student: \_\_\_\_\_

Name of Department (Major): \_\_\_\_\_

Date: \_\_\_\_\_

**Chairperson/ Director  
(Parent Department)**