

DIPLOMA IN MEDICAL RADIO DIAGNOSIS (DMRD)
KHYBER MEDICAL UNIVERSITY,
POSTGRADUATE MEDICAL INSTITUTE, PESHAWAR

(COURSE DURATION TWO YEARS)

1. REGULATIONS

1. Every candidate must be a medical graduate possessing the degree of MBBS or equivalent recognized by PMDC.
2. He/She must be registered with PMDC. In case of foreign candidate, the doctor must be registered with the medical registration authority of that country. If the candidate has received training in Pakistan then he must be registered with PMDC.
3. He/She must have completed six months house job in medicine or allied and six months in surgery or allied disciplines, or one year of rotational training in Medical and Allied or Allied Surgical Allied Specialties.
4. English shall be the medium of instructions and examination.
5. Every candidate must be registered with the PGMI/Khyber Medical University at least two years before the date of examination.
6. Selection to this course shall be according to the general statutes and regulations as fixed and specified by the Academic Council

2. Course

1. The course shall consist of 2 parts i.e. (Part-I and Part-II) for a period of 2 years, one year for each part.

PART-I:

The following subjects shall be covered.

Radiological physics, Radiological Anatomy and Physiology, Radiographic techniques, physics of ultrasound, CT Scanning, Tomography, some aspects of Radioisotopes, practical radiological procedures, radiation biology, contrast Media, Radiological aspect of Pathology, Medicine and Surgery and General Radiology and Angiography.

PART-II:

The following subject shall be covered.

- i. General Radiology
- ii. Special Radiological Investigations.
- iii. Nuclear Medicine, Ultrasound, ST Scan and MRI.

3. Examination.

1. Format of Examination:

The examination shall consist of part-I at the end of first year and part-II at the end of 2nd year. Two written papers, practical and viva for each part.

Practical will include film reporting session in part-I and Part-II on 20 films, will be reported in 60 minutes.

Table viva 2 sets of examiners, each set consisting of 2 examiners one external and one internal, 15 minutes for each examiner.

2. Part-I Examination

There shall be 2 written papers each consisting of 10 short essay questions and one viva / practical examination.

Paper-I

Will include Radiology physics and techniques.

Paper-II

Will include radiological anatomy, contrast media and radioisotopes.

Paper-I 100 marks

Paper-II 100 marks

Total 200 marks

Reporting session 100 marks

Viva / practical exam. 200 marks

Grand total → 500 marks

3. Part-II Examination

There shall be 2 written papers each consisting of 10 short essay questions and one viva / practical examination.

Paper-I

Written paper in general and special radiology.

Paper-II

Written paper in imaging nuclear medicine, ultrasound, CT scan and MRI

Paper-I 100 marks

Paper-II 100 marks

Total 200 marks

Reporting session 100 marks

Viva / practical exam. 200 marks

Grand total → 500 marks

4. There will be 2 sets of examiners each set consisting of an external and internal examiner. The examiners will be selected by the controller of the examination, Khyber Medical University with consultation of the convener of the DMRD course. The questions and written papers will be shared on 50% basis both for setting and marking purposes by the two sets of examiners. The minimum number of passing marks for each examination shall be 50% in theory component and 50% in oral/practical component separately. The aggregate marks shall be 55%. The candidate who secures 80% marks or above shall be declared to have passed with distinction.
5. The board of examiner shall arrange the result of written, practical and viva in a consolidated form and send it as soon as possible but not later than 7 days after the completion of the examination to the controller of examination for formal declaration.
6. There will be no supplementary examination.
Time allowed for written papers is three hours

4. **Examination Fee:**

1. A fee of Rs.2000/- (or whatever amount stipulated by PGMI/KMU from time to time) shall be charged for admission to the examination. The application form with admission fee should reach the controller of examination Khyber Medical University not later than 30 days before the commencement of the examination.

2. A late fee of Rs. 1000/- shall be charged in addition to admission fee, for each of the examination for applications submitted after the last date of submission of applications forms and examination fee, provided such application form and examination fee are received not later than 15 days before the commencement of the examination. No application for examination will be accepted after that.

5. **REQUIREMENT TO SIT IN THE EXAMINATION:**

1. Part-I after the completion of first year training.
2. Part-II – Two years experience certificate in Radiology as already described.
3. A certificate of good standing from the Head of the Department of Radiology must be produced before applying for examination.
4. Proof of payment of examination fee.
5. Certificate of registration with PGMI.
6. That he/she has passed part-I DMRD examination.

6. **RECOMMENDED BOOKS AND JOURNALS.**

1. **BOOKS**

1. Diagnostic Radiology
By Grainger and Allison
2. Text Book of Radiology and Medical Imaging
By David Sutton
3. Essentials of Radiology Imaging
By Pauls Juhls.
4. Diagnostic imaging by Armstrong.
5. Diagnostic Neuro-Radiology
6. By Tanveros
7. Aids to Radiological Diagnosis
By Stephan Chapman
8. Clark's positioning in Radiography
9. The requisite ultrasound
By William Middleton
10. S.P Ryan Anatomy for Diagnostic Imaging
11. Clinical Sonography Roger C. Saunders.

2. **Journals of Radiology**

- i. British Journal of Radiology
- ii. Radiology Clinics of North America
- iii. Radiology.

JOURNALS:

7. Achieves of Otolaryngology.
8. J.L.O. Headly Brother Limited, Ashford, UK.

9. Laryngoscope (USA).
10. Annals of Otolaryngology Head & Neck Surgery.
11. Year Book of Otolaryngology.
12. Clinics of North America in Otolaryngology.
13. Pakistan Journal of Otolaryngology Head & Neck Surgery.
14. JPMI, PGMI, Peshawar.