

# **DIPLOMA IN OPHTHAMOLOGY (D.O)**

## **(Course Duration two Years)**

### **1-24. General Statues and Regulation**

#### **1. Regulations (Eligibility Criteria).**

1. Every candidate must be a medical graduate possessing the degree of M.B.B.S or equivalent recognized by PMDC.
2. He / She must be registered with PMDC. Foreign candidates must be registered with the medical registration authority of that country. If the candidate has received training in Pakistan then he/she 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 surgical and allied specialties.
4. In case of candidates who have attained the necessary experience in Ophthalmology abroad, they must produce a certificate from the Head of the Institution or the head of the department that the department has the necessary infrastructure as prescribed in para 8.5. They must be registered with the medical registration authority of that country.
5. Every candidate must be registered with PGMI/KMU at least two years before the date of examination.
6. A certificate of good standing from the head of the department of Ophthalmology PGMI Peshawar must be produced before sitting the examination.

#### **2. CURRICULUM**

The course shall consist of the following subjects.

1. Anatomy, Embryology and Histology of the visual apparatus (including the contents of orbit, anterior and middle cranial fossa, the bones in the neighborhood there of and the central nervous system related to vision
2. Physiology of vision
3. Elementary, physiological and ophthalmic optics
4. Ophthalmic Medicine, Ophthalmic Surgery and Ophthalmic Pathology.
5. The course of study and the outlines of examination prescribed by the Board of Postgraduate studies as prescribed in the syllabus may be changed by the said board and approved by the syndicate as and when found necessary. Such changes however, shall be notified at least one year before the date of commencement of the examination in which they will become effective.
6. There will be an intensive course for 2-4 weeks run by KIOMS. The candidates will be encouraged to attend this course. There will be course fee payable to KIOMS. The course will be covering all areas of the curriculum.

### **3. EXAMINATION**

1. There shall be one examination each year.
2. There will be no supplementary examination.
3. Success in examination will lead to the award of Diploma in Ophthalmology by the Khyber Medical University.
4. The examination will be conducted in one part.
5. The examination shall be held once in a year in the month of December at KIOMS / PGMI.
6. English shall be the medium of instructions and examination.

### **4. SYLLABUS**

#### **Paper A**

1. Written paper in Anatomy, Histology, Embryology and Physiology of visual apparatus including contents of the orbit, anterior and middle cranial fossae, the bones in the neighborhood there of and nervous system related to vision. This paper will also include elementary optics, ophthalmic optics and refraction.
2. There shall be 8 short essay questions of 10 marks each and one MCQ of 20 marks with a total of 100 marks.
3. Time allocated shall be 3 hours.

#### **Paper B**

1. Written paper in Ophthalmic medicine including medical ophthalmology, community ophthalmology and Neuro-ophthalmology.
2. There shall be 8 short essay questions of 10 marks each and one MCQ of 20 marks with a total of 100 marks.
3. Time allocated shall be 3 hours.

#### **Paper C**

1. Surgical Ophthalmology including general principles of asepsis, sterilization and management of shock and cardiac arrest and ophthalmic pathology.
2. There shall be 8 short essay questions of 10 marks each and one MCQ of 20 marks with a total of 100 marks.
3. Time allocated shall be 3 hours.

#### **Oral and practical**

It shall consist of the following parts

Long case	50 marks
Short Case	50 marks
Refraction	50 marks
Viva	50 marks

## **5. EXAMINATION CONDUCT**

1. There shall be 2 sets of examiners, two from KIOMS/PGMI and two from outside institutions. The examiners will be selected by the Controller of Examinations, Khyber Medical University in consultation with the Head of Department of Ophthalmology, KIOMS/Postgraduate medical Institute, Hayatabad Medical Complex, Peshawar.
2. The questions in written papers will be shared on 50% basis both for setting and marking purpose by the two sets of examiners. However, the MCQs shall be prepared and marked by the examiners from KIOMS/PGMI.
3. The minimum numbers of passing marks to pass this examination shall be 50% in theory component and 50% in oral and practical component separately. The aggregate pass marks shall be 55%. A candidate who secures 80% marks or above shall be declared to have passed with distinction.
4. Head of the department of ophthalmology KIOMS/PGMI will be the convener of the examination.
5. The board of examiners shall arrange the result of written, clinical, practical and oral in a consolidated form and send it as soon as possible but not later than 7 days after the completion of examination to the controller of examination for formal declaration.
6. The candidates shall be eligible to sit in the four consecutive examinations after completion of the course.

## **6. 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 University of Peshawar 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 application forms and examination fee, provided such application form and examination fee are received not later than fifteen days before the commencement of the examination. No application for examination will be accepted after that.

## **7. RECOMMENDED BOOKS AND JOURNALS**

### **BOOKS**

- 1 Anatomy of the eye and orbit. (Eugene Wolff)
- 2 Physiology of the Eye.
  - a. Adler's,
  - b. Davson's
- 3 Pathology of the Eye.
  - a. (Greer) b. Wogan & Zimmerman). c. (Wolff)
- 4 Refraction of the Eye.
  - a. Sir Stuart Duke Elder.
- 5 General ophthalmology (Frank Newell)
- 6 Text Book of Ophthalmology(J J Kanski)
- 7 Neuro-ophthalmology (David Cogan vol- I & II)
- 8 Basic and clinical science course by American Academy of Ophthalmology.
- 9 Others books recommended by teachers from time to time.

### **JOURNAL**

- 1 Archives of ophthalmology
- 2 American journal of Ophthalmology
- 3 British Journal of Ophthalmology
- 4 Pakistan Journal of Ophthalmology.
- 5 Year book of Ophthalmology
- 6 J.P.M.A
- 7 Eye
- 8 Ophthalmology
- 9 Other journals recommended by teachers from time to time.