



Jharkhand State Paramedical Council

RIMS Campus, Bariatu, RANCHI 834009

Tele-Fax : 0651-2544027

E-mail: jspcranchi@gmail.com

SYLLABUS OF DIPLOMA IN OPHTHALMIC ASSISTANT

PAPER-1 (PART- A) [BASIC MEDICAL SCIENCES]

Must develop some skills and learn common medical terminology.

Hospital awareness -

General patient care-

- Patients caring (Knowledge of nursing of patient)
- Vital signs.
- Admission discharge procedure
- Maintenance of records.
- There should be exposure to patient care.
- Development of Ethical values and overall professional sense.

Computer awareness -

Computer basics- MS Word/ MS Excel/MS PowerPoint
Internet- Browsing/ Downloading/ Uploading

1. General Foundation course

- Health Disease and Environment.
- Health care delivery system.
- Hospital organization
- Patient related services.
- Registration OPD & IPD

2. Basic Human Science

- Human Anatomy -
- Physiology -
- Bio Chemistry -(Knowledge of different organs with their functions)
- Pathology
- Pharmacology

PAPER-1 (PART-B)

- Anatomy, Physiology, Elementary Pharmacology & Microbiology of Eye.
- Introduction to Optics - Optics applied in Ophthalmology

COMMON EYE DISEASES

- Lids and lacrimal apparatus.
- Conjunctival diseases including trachoma
- Corneal diseases especially corneal ulcer.
- Diseases of Iris, Ciliary body and choroid.
- Cataract- investigation and diagnosis-role of OA for referral patients for cataract surgery.
- Glaucoma
- -Recognition and diagnosis.
- -Tonometry.
- -Role of OA for early detection and follow up of glaucoma patients



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PAPER-2 (PART- A)

I. Vision testing

- Various components of vision.
- Principle and method for testing of visual acuity.
- Test for colour vision.
- Test for visual field.

II. Physical and physiological optics

- Principles of refraction & Refractive errors.
- Aphakia/pseudophakia.
- Post-operative refractive errors
- Accommodation and convergence
- Retinoscopy-principle and methods.

III. INVESTIGATION IN OPHTHALMOLOGY

- Ultrasonography
- Tonography
- Syringing and lacrimal function test
- Slit lamp
- Specular microscopy
- Colour vision investigation-ishihara Charts 100 Hue Test
- A-Scan Biometry.
- Non-contact tonometer
- EYE BANK: Structure & Functions

PAPER-2 (PART- B)

1. MANAGEMENT OF EYE O.T

- O.T sterilization procedures.
- Sterilization procedures of O.T instructions
- Maintenance of ophthalmic instruments and equipment's.
- Maintenance of orthoptics instruments and equipment's.
- Maintenance of optometric and contact lens equipment's

2. NURSING CARE OF OPHTHALMIC PATIENTS:

- Preoperative preparation.
- Ocular bandaging.
- Bed making and preparing trolley for operation and dressing.

3. OPHTHALMIC SURGICAL INSTRUMENTS:

- Preparing of trolley for surgery of cataract, glaucoma, lacrimal sac, pterygium, chalazion, entropion, ectropion, squint and others.
- MINOR SURGICAL PROCEDURES : (Subconjunctival Injection, Lacrimal syringing etc.)
- Role of ophthalmic assistant in the OT

4. COMMUNITY OPHTHALMOLOGY

- Eye screening programme and survey.
- Organization of eye camp.
- Information, education, communication.
- Rehabilitation of visually handicapped and vocational Training for blind
- Vision 2020:the right of sight