

Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/ SH/P	Core (Y/N)
OP1.1	Describe the physiology of vision	K	KH	Y
OP1.2	Define, classify and describe the types and methods of correcting refractive errors	K	KH	Y
OP1.3	Demonstrate the steps in performing the visual acuity assessment for distance vision, near vision, colour vision, the pin hole test and the menace and blink reflexes	S	SH	Y
OP1.4	Enumerate the indications and describe the principles of refractive surgery	K	KH	Y
OP1.5	Define, enumerate the types and the mechanism by which strabismus leads to amblyopia	K	KH	Y
OP2.1	Enumerate the causes, describe and discuss the aetiology, clinical presentations and diagnostic features of common conditions of the lid and adnexa including Hordeolum externum/ internum, blepharitis, preseptal cellulitis, dacryocystitis, hemangioma, dermoid, ptosis, entropion, lid lag, lagophthalmos	K	KH	Y
OP2.2	Demonstrate the symptoms & clinical signs of conditions enumerated in OP2.1	S	S	Y
OP2.5	Describe the clinical features on ocular examination and management of a patient with cavernous sinus thrombosis	K	KH	Y
OP2.6	Enumerate the causes and describe the differentiating features, and clinical features and management of proptosis	K	KH	Y
OP2.7	Classify the various types of orbital tumours. Differentiate the symptoms and signs of the presentation of various types of ocular tumours	K	KH	Y
OP2.8	List the investigations helpful in diagnosis of orbital tumors. Enumerate the indications for appropriate referral	K	KH	Y
OP3.2	Demonstrate document and present the correct method of examination of a "red eye" including vision assessment, corneal lustre, pupil abnormality, ciliary tenderness	S	SH	Y
OP3.5	Describe the aetiology, pathophysiology, ocular features, differential diagnosis, complications and management of vernal catarrh	K	KH	Y
OP3.6	Describe the aetiology, pathophysiology, ocular features, differential diagnosis, complications and management of pterygium	K	KH	Y
OP3.7	Describe the aetiology, pathophysiology, ocular features, differential diagnosis, complications and management of symblepharon	K	KH	Y
OP3.8	Demonstrate correct technique of removal of foreign body from the eye in a simulated environment	S	SH	Y
OP3.9	Demonstrate the correct technique of instillation of eye drops in a simulated environment	S	SH	Y

OP4.1	Enumerate, describe and discuss the types and causes of corneal ulceration	K	KH	Y
OP4.2	Enumerate and discuss the differential diagnosis of infective keratitis	K	KH	Y
OP4.5	Enumerate the causes of corneal blindness	K	KH	Y
OP4.6	Enumerate the indications and the types of keratoplasty	K	KH	Y
OP4.7	Enumerate the indications and describe the methods of tarsorrhaphy	K	KH	Y
OP4.8	Demonstrate technique of removal of foreign body in the cornea in a simulated environment	S	SH	Y
OP4.9	Describe and discuss the importance and protocols involved in eye donation and eye banking	K	KH	Y
OP5.1	Define, enumerate and describe the aetiology, associated systemic conditions, clinical features complications indications for referral and management of episcleritis	K	KH	Y
OP5.2	Define, enumerate and describe the aetiology, associated systemic conditions, clinical features, complications, indications for referral and management of scleritis	K	KH	Y
OP6.1	Describe clinical signs of intraocular inflammation and enumerate the features that distinguish granulomatous from non-granulomatous inflammation. Identify acute iridocyclitis from chronic condition	K	KH	Y
OP6.2	Identify and distinguish acute iridocyclitis from chronic iridocyclitis	K	KH	Y
OP6.3	Enumerate systemic conditions that can present as iridocyclitis and describe their ocular manifestations	K	KH	Y
OP6.4	Describe and distinguish hyphema and hypopyon	K	KH	Y
OP6.5	Describe and discuss the angle of the anterior chamber and its clinical correlates	K	KH	
OP6.6	Identify and demonstrate the clinical features and distinguish and diagnose common clinical conditions affecting the anterior chamber	S	SH	Y
OP6.7	Enumerate and discuss the aetiology, the clinical distinguishing features of various glaucomas associated with shallow and deep anterior chamber. Choose appropriate investigations and treatment for patients with above conditions.	K	KH	Y
OP6.8	Enumerate and choose the appropriate investigation for patients with conditions affecting the Uvea	K	KH	Y
OP6.9	Choose the correct local and systemic therapy for conditions of the anterior chamber and enumerate their indications, adverse events and interactions	K	KH	Y
OP6.10	Counsel patients with conditions of the iris and anterior chamber about their diagnosis, therapy and prognosis in an empathetic manner in a simulated environment	A/C	SH	Y

OP7.1	Describe the surgical anatomy and the metabolism of the lens	K	KH	Y
OP7.2	Describe and discuss the aetio-pathogenesis, stages of maturation and complications of cataract	K	KH	Y
OP7.3	Demonstrate the correct technique of ocular examination in a patient with a cataract	S	SH	Y
OP7.4	Enumerate the types of cataract surgery and describe the steps, intra-operative and post-operative complications of extracapsular cataract extraction surgery.	S	KH	Y
OP7.5	To participate in the team for cataract surgery	S	SH	Y
OP7.6	Administer informed consent and counsel patients for cataract surgery in a simulated environment	S	SH	Y
OP8.1	Discuss the aetiology, pathology, clinical features and management of vascular occlusions of the retina	K	KH	Y
OP8.2	Enumerate the indications for laser therapy in the treatment of retinal diseases (including retinal detachment, retinal degenerations, diabetic retinopathy & hypertensive retinopathy)	K	K	Y
OP8.3	Demonstrate the correct technique of a fundus examination and describe and distinguish the fundoscopic features in a normal condition and in conditions causing an abnormal retinal exam	S	SH	Y
OP8.4	Enumerate and discuss treatment modalities in management of diseases of the retina	K	KH	Y
OP8.5	Describe and discuss the correlative anatomy, aetiology, clinical manifestations, diagnostic tests, imaging and management of diseases of the optic nerve and visual pathway	K	KH	Y
OP9.1	Demonstrate the correct technique to examine extra ocular movements (Unilateral & Binocular)	S	P	Y
OP9.2	Classify, enumerate the types, methods of diagnosis and indications for referral in a patient with heterotropia/ strabismus	K	KH	Y
OP9.3	Describe the role of refractive error correction in a patient with headache and enumerate the indications for referral	K	K	Y
OP9.4	Enumerate, describe and discuss the causes of avoidable blindness and the National Programs for Control of Blindness (including vision 2020)	K	KH	Y
OP9.5	Describe the evaluation and enumerate the steps involved in the stabilisation, initial management and indication for referral in a patient with ocular injury	K	KH	Y

Column

C: K-

Knowled

ge, S –

Skill, A -

Attitude

/

professi

onalism,

C-

Commu

nication.

Column

D: K –

Knows,

KH -

Knows

How, SH

- Shows

how, P-

perform

s

independ

ently,

Column

F: DOAP

session

–

Demons

trate,

Observe

,

Assess,

Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration	Horizontal Integration
Lecture, Small group discussion	Written/ Viva voce	Physiology	
Lecture, Small group discussion	Written/ Viva voce		
DOAP session, Lecture	Skill assessment/ Logbook		
Lecture, Small group discussion	Written/ Viva voce		
Lecture, Small group discussion	Written/ Viva voce		
Lecture, Small group discussion	Written/ Viva voce	Human Anatomy	
DOAP session	Skill assessment		
Lecture, Small group discussion	Written/ Viva voce		
Lecture, Small group discussion	Written/ Viva voce		
Lecture, Small group discussion	Written/ Viva voce		
Lecture, Small group discussion	Written/ Viva voce		
DOAP session	Skill Assessment		
Lecture, Small group discussion	Written/ Viva voce		
Lecture, Small group discussion	Written/ Viva voce		
Lecture, Small group discussion	Written/ Viva voce		
DOAP session	Skill assessment		
DOAP session	Skill assessment		

Lecture, Small group discussion	Written/ Viva voce	Human Anatomy	
Lecture, Small group discussion	Written/ Viva voce		
Lecture, Small group discussion	Written/ Viva voce		
Lecture, Small group discussion	Written/ Viva voce		
Lecture, Small group discussion	Written/ Viva voce		
DOAP session	Skill assessment		
Lecture, Small group discussion	Written/ Viva voce		
Lecture, Small group discussion	Written/ Viva voce		
Lecture, Small group discussion	Written/ Viva voce	General Medicine	
Lecture, Small group discussion	Written/ Viva voce		
Lecture, Small group discussion	Written/ Viva voce		
Lecture, Small group discussion	Written/ Viva voce		General Medicine
Lecture, Small group discussion	Written/ Viva voce		
Lecture, Small group discussion	Written/ Viva voce		
DOAP session, Bedside clinic	Skill assessment		
Lecture, Small group discussion	Written/ Viva voce	Human Anatomy	
Lecture, Small group discussion	Written/ Viva voce		
Lecture, Small group discussion	Written/ Viva voce		
DOAP session	Skill assessment		

Lecture, Small group discussion	Written/ Viva voce	Biochemistry, Human Anatomy	
Lecture, Small group discussion	Written/ Viva voce	Pathology	
DOAP session	Skill assessment		
DOAP session, Lecture, Small group discussion	Written/ Viva voce		
DOAP session	Skill assessment/ Logbook documentation		
DOAP session	Skill Assessment		
Lecture, Small group discussion	Written/ Viva voce	Human Anatomy, Pathology	
Lecture, Small group discussion	Written/ Viva voce		
Lecture, Small group discussion	Skill Assessment		
Lecture, Small group discussion	Written/ Viva voce		
Lecture, Small group discussion	Written/ Viva voce		
DOAP session	Skill Assessment		
Lecture, Small group discussion	Written/ Viva voce/ skill assessment		
Lecture, Small group discussion	Written/ Viva voce		General Medicine
Lecture, Small group discussion	Written/ Viva voce		Community Medicine
Lecture, Small group discussion	Written/ Viva voce		

