

Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/ SH/P	Core (Y/N)
Topic: Visual Acuity Assessment			Number of Competencs: (05)	
OP1.1	Describe the physiology of vision	K	KH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to describe the components of visual cycle correctly	K	KH	Y
Objective 2	At the end of session a student of phase III part I must be able to discuss the processing of visual impulse correctly	K	KH	Y
Objective 3	At the end of session a student of phase III part I must be able to discuss the mechanism of transmission of visual impulse correctly	K	KH	Y
Objective 4	At the end of session a student of phase III part I must be able to elaborate the components of visual perception accurately	K	KH	Y
Objective 5	At the end of session a student of phase III part I must be able to describe light sense correctly	K	KH	Y
Objective 6	At the end of session a student of phase III part I must be able to describe form sense correctly	K	KH	Y
Objective 7	At the end of session a student of phase III part I must be able to describe sense of contrast correctly	K	KH	Y
Objective 8	At the end of session a student of phase III part I must be able to describe colour sense accurately.	K	KH	Y
OP1.2	Define, classify and describe the types and methods of correcting refractive errors	K	KH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to define refractive error correctly.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to enumerate various types of refractive errors accurately.	K	K	Y
Objective 3	At the end of session a student of phase III part I student must be able to define myopia	K	K	Y
Objective 4	At the end of session a student of phase III part I must be able to classify clinical varieties of myopia accurately.	K	K	Y
Objective 5	At the end of session a student of phase III part I must be able to discuss the clinical picture of various types of myopia accurately.	K	KH	Y
Objective 6	At the end of session a student of phase III part I must be able to discuss the treatment of myopia accurately.	K	KH	Y
Objective 7	At the end of session a student of phase III part I must be able to define Hypermetropia correctly.	K	K	Y
Objective 8	At the end of session a student of phase III part I must be able to classify the clinical types of Hypermetropia correctly.	K	K	Y
Objective 9	At the end of session a student of phase III part I must be able to describe the clinical picture of various types of Hypermetropia correctly.	K	KH	Y
Objective 10	At the end of session a student of phase III part I must be able to discuss the treatment of Hypermetropia correctly.	K	KH	Y
Objective 11	At the end of session a student of phase III part I must be able to define Aphakia correctly	K	K	Y
Objective 12	At the end of session a student of phase III part I student must be able to classify the causes of Aphakia correctly	K	K	Y
Objective 13	At the end of session a student of phase III part I must be able to describe the clinical picture of Aphakia correctly	K	KH	Y
Objective 14	At the end of session a student of phase III part I must be able to discuss the treatment of Aphakia correctly	K	KH	Y
Objective 15	At the end of session a student of phase III part I must be able to define Pseudophakia correctly	K	K	Y
Objective 16	At the end of session a student of phase III part I must be able to discuss the clinical picture of Pseudophakia correctly	K	KH	Y

Objective 17	At the end of session a student of phase III part I must be able to define Astigmatism accurately.	K	K	Y
Objective 18	At the end of session a student of phase III part I must be able to classify types of Astigmatism correctly.	K	K	Y
Objective 19	At the end of session a student of phase III part I must be able to define regular Astigmatism correctly.	K	K	Y
Objective 20	At the end of session a student of phase III part I must be able to describe types of regular Astigmatism correctly	K	KH	Y
Objective 21	At the end of session a student of phase III part I must be able to describe the clinical picture of regular Astigmatism correctly.	K	KH	Y
Objective 22	At the end of session a student of phase III part I must be able to discuss the treatment of regular Astigmatism correctly	K	KH	Y
Objective 23	At the end of session a student of phase III part I must be able to define irregular Astigmatism correctly.	K	K	Y
Objective 24	At the end of session a student of phase III part I must be able to describe the clinical picture of Irregular Astigmatism correctly.	K	KH	Y
Objective 25	At the end of session a student of phase III part I must be able to discuss the treatment of Irregular Astigmatism correctly.	K	KH	Y
Objective 26	At the end of session a student of phase III part I must be able to define Anisometropia correctly.	K	K	Y
Objective 27	At the end of session a student of phase III part I must be able to classify types of Anisometropia correctly.	K	K	Y
Objective 28	At the end of session a student of phase III part I must be able to discuss the treatment of Anisometropia correctly.	K	KH	Y
Objective 29	At the end of session a student of phase III part I must be able to define Anisometropia	K	K	Y
Objective 30	At the end of session a student of phase III part I must be able to describe the mechanism of Accumulation correctly.	K	KH	Y
Objective 31	At the end of session a student of phase III part I must be able to discuss Anomalies of Accumulation correctly.	K	KH	Y
Objective 32	At the end of session a student of phase III part I must be able to discuss treatment of Anomalies of Accumulation correctly.	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
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to discuss the principle of test for distant visual acuity correctly.	K	KH	Y
Objective 2	At the end of session a student of phase III part I must be able to describe the procedure of testing distant Visual acuity correctly	K	KH	Y
Objective 3	At the end of session a student of phase III part I must be able to demonstrate how to perform distant vision testing correctly.	S	SH	Y
Objective 4	At the end of session a student of phase III part I must be able to describe the procedure for testing near vision correctly.	K	KH	Y
Objective 5	At the end of session a student of phase III part I must be able to demonstrate how to perform near vision testing correctly	S	SH	Y
Objective 6	At the end of session a student of phase III part I must be able to define colour vision	K	K	Y
Objective 7	At the end of session a student of phase III part I must be able to discuss various theories of colour vision correctly	K	KH	Y
Objective 8	At the end of session a student of phase III part I must be able to classify different types of colour vision defect correctly	K	K	Y
Objective 9	At the end of session a student of phase III part I must be able to demonstrate colour vision testing correctly	S	SH	Y
Objective 10	At the end of session a student of phase III part I must be able to discuss the principle of pinhole vision testing correctly	K	KH	Y
Objective 11	At the end of session a student of phase III part I must be able to demonstrate the procedure of pinhole vision testing correctly	S	SH	Y
Objective 12	At the end of session a student of phase III part I must be able to describe the menace & blink reflexes correctly.	K	KH	Y

Objective 13	At the end of session a student of phase III part I must be able to demonstrate the menace & blink reflexes under supervision correctly	S	SH	Y
OP1.4	Enumerate the indications and describe the principles of refractive surgery.	K	K	Y
	Learning Objectives	K	K	Y
Objective 1	At the end of session a student of phase III part I must be able to enumerate various types of refractive surgery correctly.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to discuss the indications of refractive surgery correctly.	K	KH	Y
Objective 3	At the end of session a student of phase III part I must be able to describe the principle of refractive surgery for Myopia correctly.	K	KH	Y
Objective 4	At the end of session a student of phase III part I must be able to describe the principle of refractive surgery for Hypermetropia correctly.	K	KH	Y
Objective 5	At the end of session a student of phase III part I must be able to describe the principle of refractive surgery for Astigmatism correctly.	K	KH	Y
Objective 6	At the end of session a student of phase III part I must be able to describe the principle of refractive surgery for Presbyopia correctly.	K	KH	Y
OP1.5	Define, enumerate the types and the mechanism by which strabismus leads to amblyopia correctly.	K	KH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to define Amblyopia correctly.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to enumerate the various types of Amblyopia correctly.	K	K	Y
Objective 3	At the end of session a student of phase III part I must be able to discuss the mechanism of strabismus leading to Amblyopia correctly.	K	KH	Y
Objective 5	At the end of session a student of phase III part I must be able to discuss the various methods to treat Amblyopia correctly.	K	KH	Y
Topic: Lids and Adnexa, Orbit				
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
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to define internal Hordeolum correctly.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to discuss the etiopathogenesis of internal Hordeolum correctly.	K	KH	Y
Objective 3	At the end of session a student of phase III part I must be able to describe the clinical feature of internal Hordeolum correctly.	K	KH	Y
Objective 4	At the end of session a student of phase III part I must be able to discuss the differential diagnostic internal Hordeolum	K	KH	Y
Objective 5	At the end of session a student of phase III part I must be able to discuss the management internal Hordeolum correctly.	K	KH	Y
Objective 6	At the end of session a student of phase III part I must be able to define external Hordeolum correctly.	K	K	Y
Objective 7	At the end of session a student of phase III part I must be able to discuss the etiopathogenesis of external Hordeolum correctly.	K	KH	Y
Objective 8	At the end of session a student of phase III part I must be able to describe the clinical feature of external Hordeolum correctly.	K	KH	Y
Objective 9	At the end of session a student of phase III part I must be able to discuss the differential of diagnosis external Hordeolum correctly.	K	KH	Y
Objective 10	At the end of session a student of phase III part I must be able to discuss the management of external Hordeolum correctly.	K	KH	Y
Objective 11	At the end of session a student of phase III part I must be able to define blepharitis correctly.	K	K	Y
Objective 12	At the end of session a student of phase III part I must be able to discuss the etiopathogenesis of blepharitis correctly.	K	KH	Y

Objective 13	At the end of session a student of phase III part I must be able to describe the clinical feature of blepharitis correctly.	K	KH	Y
Objective 14	At the end of session a student of phase III part I must be able to discuss the differential diagnosis of blepharitis correctly.	K	KH	Y
Objective 15	At the end of session a student of phase III part I must be able to discuss the management of blepharitis correctly.	K	KH	Y
Objective 16	At the end of session a student of phase III part I must be able to define preseptal cellulitis correctly	K	K	Y
Objective 17	At the end of session a student of phase III part I must be able to discuss the etiopathogenesis of preseptal cellulitis correctly.	K	KH	Y
Objective 18	At the end of session a student of phase III part I must be able to describe the clinical feature of preseptal cellulitis correctly.	K	KH	Y
Objective 19	At the end of session a student of phase III part I must be able to discuss the differential diagnosis of preseptal cellulitis	K	KH	Y
Objective 20	At the end of session a student of phase III part I must be able to discuss the management of preseptal cellulitis correctly.	K	KH	Y
Objective 21	At the end of session a student of phase III part I must be able to define dacryocystitis	K	K	Y
Objective22	At the end of session a student of phase III part I must be able to discuss the etiopathogenesis of Dacryocystitis correctly.	K	KH	Y
Objective 23	At the end of session a student of phase III part I must be able to describe the clinical feature of Dacryocystitis correctly.	K	KH	Y
Objective 24	At the end of session a student of phase III part I must be able to discuss the differential diagnostic of Dacryocystitis correctly.	K	KH	Y
Objective 25	At the end of session a student of phase III part I must be able to discuss the management of Dacryocystitis correctly.	K	KH	Y
Objective 26	At the end of session a student of phase III part I must be able to define hemangioma correctly.	K	K	Y
Objective 27	At the end of session a student of phase III part I must be able to discuss the etiopathogenesis of hemangioma correctly.	K	KH	Y
Objective 28	At the end of session a student of phase III part I must be able to describe the clinical feature of hemangioma correctly.	K	KH	Y
Objective 29	At the end of session a student of phase III part I must be able to discuss the differential diagnostic of hemangioma correctly.	K	KH	Y
Objective 30	At the end of session a student of phase III part I must be able to discuss the management of hemangioma correctly.	K	KH	Y
Objective 31	At the end of session a student of phase III part I must be able to define dermoid correctly.	K	K	Y
Objective 32	At the end of session a student of phase III part I must be able to discuss the etiopathogenesis of dermoid correctly.	K	KH	Y
Objective 33	At the end of session a student of phase III part I must be able to describe the clinical feature of dermoid correctly.	K	KH	Y
Objective 34	At the end of session a student of phase III part I must be able to discuss the differential diagnostic of dermoid correctly.	K	KH	Y
Objective 35	At the end of session a student of phase III part I must be able to discuss the management of dermoid correctly.	K	KH	Y
Objective 36	At the end of session a student of phase III part I must be able to define ptosis correctly.	K	K	Y
Objective 37	At the end of session a student of phase III part I must be able to discuss the etiopathogenesis of ptosis correctly.	K	KH	Y
Objective 38	At the end of session a student of phase III part I must be able to describe the clinical feature of ptosis correctly.	K	KH	Y
Objective39	At the end of session a student of phase III part I must be able to discuss the differential diagnostic of ptosis correctly.	K	KH	Y
Objective 40	At the end of session a student of phase III part I be able to discuss the management of ptosis correctly.	K	KH	Y
Objective 41	At the end of session a student of phase III part I be able to define entropion correctly.	K	K	Y
Objective 42	At the end of session a student of phase III part I must be able to discuss the etiopathogenesis Entropion correctly.	K	KH	Y

Objective 43	At the end of session a student of phase III part I be able to describe the clinical feature Entropion correctly.	K	KH	Y
Objective 44	At the end of session a student of phase III part I must be able to discuss the differential diagnostic Entropion correctly.	K	KH	Y
Objective 45	At the end of session a student of phase III part I must be able to discuss the management Entropion correctly.	K	KH	Y
OP2.2	Demonstrate the symptoms enumerated in OP2.1 of conditions	S	S	Y
Objective 1	At the end of session a student of phase III part I must be able to demonstrate the clinical signs of Hordeolum Internal accurately	S	SH	Y
Objective 2	At the end of session a student of phase III part I must be able to demonstrate the clinical signs of Hordeolum External accurately	S	SH	Y
Objective 3	At the end of session a student of phase III part I must be able to demonstrate the clinical signs of blepharitis accurately	S	SH	Y
Objective 4	At the end of session a student of phase III part I must be able to demonstrate the clinical signs of preseptal cellulitis accurately	S	SH	Y
Objective 5	At the end of session a student of phase III part I must be able to demonstrate the clinical signs of dacryocystitis accurately	S	SH	Y
Objective 6	At the end of session a student of phase III part I must be able to demonstrate the clinical signs of hemangioma accurately	S	SH	Y
Objective 7	At the end of session a student of phase III part I must be able to demonstrate the clinical signs of dermoid accurately	S	SH	Y
Objective 8	At the end of session a student of phase III part I must be able to demonstrate the clinical signs of ptosis accurately	S	SH	Y
Objective 9	At the end of session a student of phase III part I must be able to demonstrate the clinical signs of entropion accurately	S	SH	Y
Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/SH/P	Core (Y/N)
OP2.3	Demonstrate under supervision clinical procedures performed in the lid including: bells phenomenon, assessment of entropion/ ectropion, perform the regurgitation test of lacrimal sac. massage technique in cong. dacryocystitis, and trichiatric cilia removal by epilation	S	SH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to define bells phenomenon correctly.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to demonstrate under supervision bells phenomenon precisely.	S	SH	Y
Objective 3	At the end of session a student of phase III part I must be able to define Entropion correctly.	K	K	Y
Objective 4	At the end of session a student of phase III part I must be able to demonstrate under supervision assessment of entropion correctly	S	SH	Y
Objective 5	At the end of session a student of phase III part I must be able to define ectropion correctly.	K	K	Y
Objective 6	At the end of session a student of phase III part I must be able to demonstrate under supervision assessment entropion correctly.	S	SH	Y
Objective 7	At the end of session a student of phase III part I must be able to define regurgitation test correctly.	K	K	Y
Objective 8	At the end of session a student of phase III part I must be able to perform the regurgitation test under supervision correctly.	S	SH	Y
Objective 9	At the end of session a student of phase III part I must be able to define cong. Dacryocystitis correctly.	K	K	Y
Objective 10	At the end of session a student of phase III part I must be able to demonstrate under supervision sac massage in cong. Dacryocystitis correctly.	S	SH	Y
Objective 11	At the end of session a student of phase III part I must be able to define trichiasis correctly.	K	K	Y
Objective 12	At the end of session a student of phase III part I must be able to define epilation correctly.	K	K	Y
Objective 13	At the end of session a student of phase III part I must be able to demonstrate under supervision remove of trichatic cilia epilation of trichatic lash correctly.	S	SH	Y

OP2.4	Describe the aetiology, clinical presentation. Discuss the complications and management of orbital cellulitis	K	KH	Y
	Learning Objectives	K	KH	Y
Objective 1	At the end of session a student of phase III part I must be able to define orbital cellulitis correctly.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to discuss aetiology of orbital cellulitis correctly.	K	KH	Y
Objective 3	At the end of session a student of phase III part I must be able to discuss clinical signs symptoms of orbital cellulitis correctly.	K	KH	Y
Objective 4	At the end of session a student of phase III part I must be able to discuss the various complication of orbital cellulitis correctly.	K	KH	Y
Objective 5	At the end of session a student of phase III part I must be able to describe the management of orbital cellulitis correctly.	K	KH	Y
OP2.5	Describe the clinical features on ocular examination and management of a patient with cavernous sinus thrombosis correctly.	K	KH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to define cavernous sinus thrombosis correctly.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to discuss the symptoms of cavernous sinus thrombosis correctly.	K	KH	Y
Objective 3	At the end of session a student of phase III part I must be able to describe the clinical signs of cavernous sinus thrombosis correctly.	K	KH	Y
Objective 4	At the end of session a student of phase III part I must be able to describe the management of cavernous sinus thrombosis correctly.	K	KH	Y
OP2.6	Enumerate the causes and describe the differentiating features, and clinical features and management of proptosis	K	KH	Y
Objective 1	At the end of session a student of phase III part I must be able to define proptosis correctly.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to describe the clinical features of proptosis correctly.	K	KH	Y
Objective 3	At the end of session a student of phase III part I must be able to discuss the differential diagnosis of proptosis correctly.	K	KH	Y
Objective 4	At the end of session a student of phase III part I must be able to describe the management of proptosis correctly.	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 correctly.	K	KH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to discuss the classification of orbital tumours correctly.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to describe signs of various types of orbital tumours correctly.	K	KH	Y
Objective 3	At the end of session a student of phase III part I must be able to discuss symptoms of various types of orbital tumours correctly.	K	KH	Y
OP2.8	List the investigations helpful in diagnosis of orbital tumors. Enumerate the indications for appropriate referral	K	KH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to enumerate the investigations done for various type of orbital tumours correctly.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to enumerate the indications of orbital tumours needing referral correctly.	K	K	Y
Topic: Conjunctiva	Number of Competencies (09)			
OP3.1	Elicit document and present an appropriate history in a patient presenting with a "red eye" including congestion, discharge, pain correctly.	S	SH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to define red eye correctly.	K	K	Y

Objective 2	At the end of session a student of phase III part I must be able to enumerate the causes for red Eye correctly.	K	K	Y
Objective 3	At the end of session a student of phase III part I must be able to describe the various clinical features in a patient with re eye correctly.	K	KH	Y
Objective 4	At the end of session a student of phase III part I must be able to demonstrate an appropriate way to take history in a patient with red eye including congestion, discharge, pain correctly.	S	SH	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	K	KH	Y
	Learning Objectives	K	K	Y
Objective 1	At the end of session a student of phase III part I must be able to describe the pupil abnormalities in a patient with red eye accurately.	K	KH	Y
Objective 2	At the end of session a student of phase III part I must be able to describe the various causes of ciliary tenderness in a patient with red eye correctly.	K	KH	Y
Objective 3	At the end of session a student of phase III part I must be able to describe the various examination techniques including vision assessment, corneal lustre, pupil abnormality, ciliary tenderness in patient with red eye correctly.	K	KH	Y
Objective 4	At the end of session a student of phase III part I must be able to demonstrate including vision assessment, corneal lustre, pupil abnormality, ciliary tenderness in a patient with red eye correctly.	S	SH	Y
Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/SH/P	Core (Y/N)
OP3.3	Describe the aetiology, pathophysiology, ocular features, differential diagnosis, complications. and management of various causes of conjunctivitis	K	KH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to define Conjunctivitis correctly.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to classification of Conjunctivitis correctly.	K	K	Y
Objective 3	At the end of session a student of phase III part I must be able to describe the aetiology for different kinds of Conjunctivitis correctly.	K	KH	Y
Objective 4	At the end of session a student of phase III part I must be able to describe the clinical fractures of Conjunctivitis correctly.	K	KH	Y
Objective 5	At the end of session a student of phase III part I must be able to discuss the differential diagnosis of Conjunctivitis correctly.	K	KH	Y
Objective 6	At the end of session a student of phase III part I must be able to discuss the complications of various types Conjunctivitis correctly.	K	KH	Y
Objective 7	At the end of session a student of phase III part I must be able to describe the management of Conjunctivitis correctly.	K	KH	Y
OP3.4	Describe the aetiology, pathophysiology, ocular features, differential diagnosis, complications and management of trachoma.	K	KH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to define trachoma correctly.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to discuss the etiopathogenesis of trachoma correctly.	K	KH	Y
Objective 3	At the end of session a student of phase III part I must be able to describe the clinical features of trachoma correctly.	K	KH	Y
Objective 4	At the end of session a student of phase III part I must be able to discuss the differentiation diagnosis of trachoma correctly.	K	KH	Y
Objective 5	At the end of session a student of phase III part I must be able to discuss the complications of trachoma correctly.	K	KH	Y
Objective 6	At the end of session a student of phase III part I must be able to describe the management of trachoma correctly.	K	KH	Y

OP3.5	Describe the aetiology, pathophysiology, ocular features, differential diagnosis, complications and management of vernal catarrh	K	KH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to define vernal catarrh correctly.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to discuss the etiopathogenesis of vernal catarrh correctly.	K	KH	Y
Objective 3	At the end of session a student of phase III part I must be able to describe the clinical features of vernal catarrh correctly.	K	KH	Y
Objective 4	At the end of session a student of phase III part I must be able to discuss the differential diagnosis of vernal catarrh correctly.	K	KH	Y
Objective 5	At the end of session a student of phase III part I must be able to discuss the complications of vernal catarrh correctly.	K	KH	Y
Objective 6	At the end of session a student of phase III part I must be able to describe the management of vernal catarrh correctly.	K	KH	Y
OP3.6	Describe the aetiology, pathophysiology, ocular features, differential diagnosis, complications and management of pterygium correctly.	K	KH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to define Pterygium correctly.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to discuss the etiopathogenesis of Pterygium correctly.	K	KH	Y
Objective 3	At the end of session a student of phase III part I must be able to describe the clinical features of Pterygium correctly.	K	KH	Y
Objective 4	At the end of session a student of phase III part I must be able to discuss the differential diagnosis of Pterygium correctly.	K	KH	Y
Objective 5	At the end of session a student of phase III part I must be able to discuss the complications Pterygium correctly.	K	KH	Y
Objective 6	At the end of session a student of phase III part I must be able to describe the management of Pterygium correctly.	K	KH	Y
OP3.7	Describe the aetiology, pathophysiology, ocular features, differential diagnosis, complications and management of symblepharon	K	KH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to define symblepharon correctly.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to discuss the etiopathogenesis of symblepharon correctly.	K	KH	Y
Objective 3	At the end of session a student of phase III part I must be able to describe the clinical features of symblepharon correctly.	K	KH	Y
Objective 4	At the end of session a student of phase III part I must be able to discuss the differential diagnosis of symblepharon correctly.	K	KH	Y
Objective 5	At the end of session a student of phase III part I must be able to discuss the complications of symblepharon correctly.	K	KH	Y
Objective 6	At the end of session a student of phase III part I must be able to describe the management of symblepharon accurately.	K	KH	Y
OP3.8	Demonstrate correct technique of removal of foreign body from the eye in a simulated environment correctly.	S	SH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to discuss the technique of removal of foreign body in a simulated environment from the eye accurately.	K	KH	Y
Objective 2	At the end of session a student of phase III part I must be able to demonstrate under supervision the procedure of removal of foreign body from the eye in a simulated environment accurately.	S	SH	Y
OP3.9	Demonstrate the correct technique of instillation of eye drops in a simulated environment accurately.	S	SH	Y
	Learning Objectives			

Objective 1	At the end of session a student of phase III part I must be able to discuss the technique of instillation of eye drops in a simulated environment accurately.	K	KH	Y
Objective 2	At the end of session a student of phase III part I must be able to demonstrate technique of instillation of eye drops in a simulated environment accurately. in a simulated environment accurately.	S	SH	Y
Topic: Corneas	Number of Competencies: (10)			
OP4.1	Enumerate, describe and discuss the types and causes of corneal ulceration	K	KH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to define corneal ulcer	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to describe the various types of corneal ulcer	K	K	Y
Objective 3	At the end of session a student of phase III part I must be able to discuss the etiopathogenesis of a corneal ulcer	K	KH	Y
OP4.2	Enumerate and discuss the differential diagnosis of infective keratitis	K	KH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to enumerate differential diagnosis of infective keratitis	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to discuss the clinical features of various types of infective keratitis	K	KH	Y
Objective 3	At the end of session a student of phase III part I must be able to describe the investigations done in infective keratitis	K	KH	Y
Objective 4	At the end of session a student of phase III part I must be able to discuss the treatment done in infective keratitis	K	KH	
Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/ SH/P	Core (Y/N)
OP4.3	enumerate the causes of corneal edema	K	KH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to define corneal edema correctly.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to enumerate various causes of corneal edema correctly.	K	K	Y
OP4.4	Enumerate the causes and discuss the management of dry eye correctly.	K	KH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to define dry eye correctly.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to discuss various causes of Dry eye correctly.	K	KH	Y
Objective 3	At the end of session a student of phase III part I must be able to describe the clinical presentation of Dry eye correctly.	K	KH	Y
Objective 4	At the end of session a student of phase III part I must be able to discuss the investigation used to diagnose Dry eye correctly.	K	KH	Y
Objective 5	At the end of session a student of phase III part I must be able to discuss the treatment of dry eye correctly.	K	KH	Y
OP4.5	Enumerate the causes of corneal blindness correctly.	K	KH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to enumerate various causes of blindness correctly.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to enumerate various causes of Corneal blindness correctly.	K	K	Y
Objective 3	At the end of session a student of phase III part I must be able to discuss various treatment options for corneal blindness correctly.	K	KH	Y
OP4.6	Enumerate the indications and the types of keratoplasty correctly.	K	KH	Y

	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to define keratoplasty correctly.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to discuss the indication of keratoplasty correctly.	K	KH	Y
Objective 3	At the end of session a student of phase III part I must be able to discuss different types of keratoplasty correctly.	K	KH	Y
Objective 4	At the end of session a student of phase III part I must be able to discuss the procedure of different types of keratoplasty correctly.	K	KH	Y
OP4.7	Enumerate the indications and describe the methods of tarsorrhaphy correctly.	K	KH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to define tarsorrhaphy correctly.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to enumerate various indications for tarsorrhaphy correctly.	K	K	Y
Objective 3	At the end of session a student of phase III part I must be able to discuss the procedure of tarsorrhaphy correctly.	K	KH	Y
OP4.8	Demonstrate technique of removal of foreign body in the cornea in a simulated environment accurately.	S	SH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to discuss the procedure of removal of foreign body in the cornea correctly.	K	KH	Y
Objective 2	At the end of session a student of phase III part I must be able to demonstrate the procedure of removal of foreign body in the cornea in a simulated environment accurately.	S	SH	Y
OP4.9	Describe and discuss the importance and protocols involved in eye donation and eye banking correctly.	K	KH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to discuss eye bank functioning in detail correctly.	K	KH	Y
Objective 2	At the end of session a student of phase III part I must be able to classify of storage media used in eye bank correctly.	K	K	Y
Objective 3	At the end of session a student of phase III part I must be able to enumerate the indications and contraindication of retrieval of corneal after death correctly.	K	K	Y
OP4.10	Counsel patients and family about eye donation in a simulated environment correctly.	A/C	SH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to discuss the importance of eye donation correctly.	K	KH	Y
Objective 2	At the end of session a student of phase III part I must be able to demonstrate awareness talks for eye donation to patients and families	S	SH	Y
Objective 3	At the end of session a student of phase III part I must be able to counsel patient and families for eye donation correctly	A/C	SH	Y
Topic: Sclera	Number of competencies: (02)			
OP5.1	Define, enumerate and describe the aetiology, associated systemic conditions, clinical features complications indications for referral and management of episcleritis	K	KH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to define episcleritis correctly	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to enumerate various causes of episcleritis correctly	K	K	Y
Objective 3	At the end of session a student of phase III part I must be able to discuss the etiopathogenesis of episcleritis correctly	K	KH	Y
Objective 4	At the end of session a student of phase III part I must be able to discuss the various systemic diseases which can cause episcleritis correctly	K	KH	Y

Objective 5	At the end of session a student of phase III part I must be able to discuss the clinical presentation of episcleritis correctly	K	KH	Y
Objective 6	At the end of session a student of phase III part I must be able to discuss the various complication caused by episcleritis correctly	K	KH	Y
Objective 7	At the end of session a student of phase III part I must be able to discuss various indication for referral in a case of episcleritis correctly	K	KH	Y
Objective 8	At the end of session a student of phase III part I must be able to enumerate various investigations done in a case of episcleritis correctly	K	K	Y
Objective 6	At the end of session a student of phase III part I must be able to discuss the treatment of episcleritis correctly	K	KH	Y
Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/SH/P	Core (Y/N)
OP5.2	Define, enumerate and describe the aetiology, associated systemic conditions, clinical features, complications, indications for referral and management of scleritis	K	KH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to define scleritis correctly	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to enumerate various causes of scleritis correctly	K	K	Y
Objective 3	At the end of session a student of phase III part I must be able to discuss the etiopathogenesis of scleritis correctly	K	KH	Y
Objective 4	At the end of session a student of phase III part I must be able to discuss the various systemic discuses which can cause scleritis correctly	K	KH	Y
Objective 5	At the end of session a student of phase III part I must be able to discuss the clinical presentation of scleritis correctly	K	KH	Y
Objective 6	At the end of session a student of phase III part I must be able to discuss the various complication caused by scleritis correctly	K	KH	Y
Objective 7	At the end of session a student of phase III part I must be able to discuss various indication for referral in a case of scleritis correctly	K	KH	Y
Objective 8	At the end of session a student of phase III part I must be able to enumerate various investigations done in a case of scleritis correctly	K	K	Y
Objective 9	At the end of session a student of phase III part I must be able to discuss the treatment of scleritis correctly	K	KH	Y
Topic: Iris and Anterior chamber	Number of Competencies (10)	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
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to define anterior uveitis correctly	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to classify anterior uveitis correctly	K	K	Y
Objective 3	At the end of session a student of phase III part I must be able to discuss signs and symptoms of granulomatous from non-granulomatous anterior uveitis correctly	K	KH	Y
Objective 4	At the end of session a student of phase III part I must be able to differentiate granulomatous from non-granulomatous anterior uveitis correctly	K	KH	Y
Objective 5	At the end of session a student of phase III part I must be able to discuss various investigation of anterior uveitis correctly	K	KH	Y
OP6.2	Identify and distinguish acute iridocyclitis from chronic iridocyclitis	K	KH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to define acute iridocyclitis correctly	K	K	Y

Objective 2	At the end of session a student of phase III part I must be able to define chronic iridocyclitis correctly	K	K	Y
Objective 3	At the end of session a student of phase III part I must be able to differentiate between clinical feature of acute chronic iridocyclitis correctly			Y
OP6.3	Enumerate systemic conditions that can present as iridocyclitis and describe their ocular manifestations	K	KH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to enumerate different systemic conditions that can present as iridocyclitis accurately	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to describe ocular manifestations of systemic conditions that can present as iridocyclitis correctly	K	KH	Y
OP6.4	Describe and distinguish hyphema and hypopyon	K	KH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to define hyphema correctly	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to describe clinical feature of hyphema correctly	K	KH	Y
Objective 3	At the end of session a student of phase III part I must be able to enumerate causes of hyphema correctly	K	KH	Y
Objective 4	At the end of session a student of phase III part I must be able to define hypopyon correctly	K	K	Y
Objective 5	At the end of session a student of phase III part I must be able to describe clinical feature of hypopyon correctly	K	K	Y
Objective 6	At the end of session a student of phase III part I must be able to enumerate causes of hypopyon correctly	K	KH	Y
Objective 7	At the end of session a student of phase III part I must be able to distinguish between hyphema & hypopyon correctly	K	K	Y
OP6.5	Describe and discuss the angle of the anterior chamber and its clinical correlates	K	KH	
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to discuss anatomy of angle of anterior chamber correctly	K	KH	Y
Objective 2	At the end of session a student of phase III part I must be able to define angle of the anterior chamber correctly	K	K	Y
Objective 3	At the end of session a student of phase III part I must be able to discuss Gonioscopy correctly	K	KH	Y
Objective 4	At the end of session a student of phase III part I must be able to discuss grading of angle of the anterior chamber correctly	K	KH	Y
Objective 5	At the end of session a student of phase III part I must be able to discuss clinical feature of primary angle closure glaucoma accurately.	K	KH	Y
Objective 6	At the end of session a student of phase III part I must be able to discuss stages of primary angle closure glaucoma accurately.	K	KH	Y
OP6.6	Identify and demonstrate the clinical features and distinguish and diagnose common clinical conditions affecting the anterior chamber accurately.	S	SH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to identify hyphema accurately.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to identify hypopyon accurately.	K	KH	Y
Objective 3	At the end of session a student of phase III part I must be able to demonstrate gonioscopy under supervision accurately.	S	SH	Y
Objective 4	At the end of session a student of phase III part I must be able to demonstrate various structures seen on angle of anterior chamber under supervision accurately.	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

	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to define Glaucoma accurately.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to classify Glaucoma accurately.	K	K	Y
Objective 3	At the end of session a student of phase III part I must be able to discuss various field changes of primary open angle glaucoma accurately.	K	KH	Y
Objective 4	At the end of session a student of phase III part I must be able to discuss clinical feature of primary open angle glaucoma accurately.	K	KH	Y
Objective 5	At the end of session a student of phase III part I must be able to discuss secondary glaucoma accurately.	K	KH	Y
Objective 6	At the end of session a student of phase III part I must be able to discuss aetiology of secondary glaucoma accurately.	K	KH	Y
Objective 7	At the end of session a student of phase III part I must be able to discuss congenital glaucoma accurately.	K	KH	Y
Objective 8	At the end of session a student of phase III part I must be able to discuss clinical feature of congenital glaucoma accurately.	K	KH	Y
Objective 9	At the end of session a student of phase III part I must be able to discuss various method of measurement of intraocular pressure accurately.	K	KH	Y
Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/SH/P	Core (Y/N)
OP6.8	Enumerate and choose the appropriate investigation for patients with conditions affecting the Uvea	K	KH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to enumerate investigation of patient of anterior uveitis accurately.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to enumerate investigation done for patient of posterior uveitis accurately.	K	K	Y
Objective 3	At the end of session a student of phase III part I must be able to discuss various investigations done in a case of uveitis accurately.	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 accurately.	K	KH	Y
	Learning Objectives management of			
Objective 1	At the end of session a student of phase III part I must be able to enumerate various drugs used in medical management glaucoma accurately.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to discuss ----- action of various drugs used in medical management of primary open angle glaucoma accurately.	K	KH	Y
Objective 3	At the end of session a student of phase III part I must be able to discuss management of primary angle closure glaucoma accurately.	K	KH	Y
Objective 4	At the end of session a student of phase III part I must be able to discuss adverse reaction of various anti-glaucoma drugs accurately.	K	KH	Y
Objective 5	At the end of session a student of phase III part I must be able to discuss surgical management of glaucoma accurately.	K	KH	Y
Objective 6	At the end of session a student of phase III part I must be able to enumerate various drugs used in uveitis accurately.	K	KH	Y
Objective 7	At the end of session a student of phase III part I must be able to discuss indication of various drugs used in anterior uveitis accurately.	K	KH	Y
Objective 8	At the end of session a student of phase III part I must be able to discuss adverse affects of various drugs used in uveitis accurately.	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
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to counsel patient regarding prognosis of different condition of anterior chamber accurately.	A/C	SH	

Objective 2	At the end of session a student of phase III part I must be able to counsell patient regarding treatment of different condition of anterior chamber accurately.	A/C	SH	
Topic: Lens	Number of Competencies: (06)			
OP7.1	Describe the surgical anatomy and the metabolism of the lens	K	KH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to elaborate structure of lens accurately.	K	KH	Y
Objective 2	At the end of session a student of phase III part I must be able to describe applied anatomy of lens accurately.	K	KH	Y
Objective 3	At the end of session a student of phase III part I must be able to describe factors responsible for lens transparency accurately.	K	K2	Y
Objective 4	At the end of session a student of phase III part I must be able to discuss lens metabolism in detail accurately	K	KH	Y
OP7.2	Describe and discuss the aetio-pathogenesis, stages of maturation and complications of cataract	K	KH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to enumerate factors responsible for congenital cataract formation accurately.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to describe various causes of congenital cataract formation accurately.	K	KH	Y
Objective 3	At the end of session a student of phase III part I must be able to classify various type of congenital cataract accurately.	K	KH	Y
Objective 4	At the end of session a student of phase III part I must be able to discuss complication of congenital cataract accurately.	K	KH	Y
Objective 5	At the end of session a student of phase III part I must be able to describe various types of congenital cataract accurately.	K	KH	Y
Objective 6	At the end of session a student of phase III part I must be able to classify various factors responsible for formation of senile cataract correctly.	K	KH	Y
Objective 7	At the end of session a student of phase III part I must be able to classify various factors responsible for formation of presenile cataract correctly.	K	KH	Y
Objective 8	At the end of session a student of phase III part I must be able to describe various factors responsible for formation of senile cataract correctly.	K	KH	Y
Objective 9	At the end of session a student of phase III part I must be able to describe various factors responsible for formation of presenile cataract correctly.	K	KH	Y
Objective 10	At the end of session a student of phase III part I must be able to describe stages of maturation of senile cortical cataract correctly.	K	KH	Y
Objective 11	At the end of session a student of phase III part I must be able to describe stages of maturation of senile nuclear cataract correctly.	K	KH	Y
Objective 12	At the end of session a student of phase III part I must be able to describe clinical features of congenital cataract correctly.	K	KH	Y
Objective 13	At the end of session a student of phase III part I must be able to describe clinical features of senile cataract correctly.	K	KH	Y
Objective 14	At the end of session a student of phase III part I must be able to discuss complication of senile cataract correctly.	K	KH	Y
OP7.3	Demonstrate the correct technique of ocular examination in a patient with a cataract correctly.	S	SH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to enumerate the steps in examination of a patient with cataract correctly.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to describe the steps in checking for visual acuity correctly.	K	K	Y
Objective 3	At the end of session a student of phase III part I must be able to describe the local examination technique with torch light in a patient with cataract correctly.	K	K	Y
Objective 4	At the end of session a student of phase III part I must be able to demonstrate the various steps of recording visual acuity correctly.	K	SH	Y
Objective 5	At the end of session a student of phase III part I must be able to demonstrate the various steps of examinations of a patient with cataract correctly.	K	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
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to enumerate various types of cataract surgeries correctly.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to enumerate various types of extra capsular cataract surgery correctly.	K	K	Y
Objective 3	At the end of session a student of phase III part I must be able to enumerate various types of conventional ECCE correctly.	K	K	Y
Objective 4	At the end of session a student of phase III part I must be able to describe various types of conventional ECCE correctly.	K	K	Y
Objective 5	At the end of session a student of phase III part I must be able to enumerate various types of manual SICS correctly.	K	K	Y
Objective 6	At the end of session a student of phase III part I must be able to describe various types of manual SICS correctly.	K	K	Y
Objective 7	At the end of session a student of phase III part I must be able to enumerate various types of phacoemulsification correctly.	K	K	Y
Objective 8	At the end of session a student of phase III part I must be able to describe various types of phacoemulsification correctly.	K	K	Y
Objective 9	At the end of session a student of phase III part I must be able to enumerate intraoperative complication of cataract surgery correctly.	K	K	Y
Objective 10	At the end of session a student of phase III part I must be able to discuss intraoperative complication of cataract surgery correctly.	K	KH	Y
Objective 11	At the end of session a student of phase III part I must be able to list postoperative complication of cataract surgery correctly.	K	KH	Y
Objective 12	At the end of session a student of phase III part I must be able to discuss postoperative complication of cataract surgery correctly.	K	KH	Y
OP7.5	To participate in the team for cataract surgery	S	SH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to define role of different person in a team for cataract surgery correctly.	K	KH	Y
Objective 2	At the end of session a student of phase III part I must be able to discuss the role of surgeon, optometrist and OT technician in a team for cataract surgery correctly.	K	K	Y
Objective 3	At the end of session a student of phase III part I must be able to demonstrate the team work in OT posting under supervision correctly.	S	SH	Y
OP7.6	Administer informed consent and counsel patients for cataract surgery in a simulated environment.	S	SH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to list the informed consent required for cataract surgery correctly.	S	SH	Y
Objective 2	At the end of session a student of phase III part I must be able to discuss the importance of informed consent for cataract surgery correctly.	K	KH	Y
Objective 3	At the end of session a student of phase III part I must be able to discuss the importance of patient counseling for cataract surgery	K	KH	Y
Objective 4	At the end of session a student of phase III part I must be able to demonstrate how to take informed consent of a patient for cataract surgery accurately	S	SH	Y
Objective 5	At the end of session a student of phase III part I must be able to demonstrate the counseling of patient for visual prognosis accurately	S	SH	Y
Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/ SH/P	Core (Y/N)
Topic: Retina & optic Nerve	Number of Competencies (05)			
OP8.1	Discuss the aetiology, pathology, clinical features and management of vascular occlusions of the retina	K	KH	Y

	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to enumerate various types of vascular occlusions of retina correctly.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to define central retinal vein occlusion correctly.	K	K	Y
Objective 3	At the end of session a student of phase III part I must be able to define branched retinal vein occlusion correctly.	K	K	Y
Objective 4	At the end of session a student of phase III part I must be able to define hemiretinal vein occlusion correctly.	K	K	Y
Objective 5	At the end of session a student of phase III part I must be able to define central retinal artery occlusion correctly.	K	K	Y
Objective 6	At the end of session a student of phase III part I must be able to enumerate the etiology of central retinal vein occlusion correctly.	K	K	Y
Objective 7	At the end of session a student of phase III part I must be able to enumerate the etiology of branched retinal vein occlusion correctly.	K	K	Y
Objective 8	At the end of session a student of phase III part I must be able to enumerate the etiology of hemiretinal vein occlusion correctly.	K	K	Y
Objective 9	At the end of session a student of phase III part I must be able to enumerate the etiology of central retinal artery occlusion correctly.	K	K	Y
Objective 10	At the end of session a student of phase III part I must be able to discuss the etiology of central retinal vein occlusion correctly.	K	KH	Y
Objective 11	At the end of session a student of phase III part I must be able to discuss the etiology of branched retinal vein occlusion correctly.	K	KH	Y
Objective 12	At the end of session a student of phase III part I must be able to discuss the etiology of hemiretinal vein occlusion correctly.	K	KH	Y
Objective 13	At the end of session a student of phase III part I must be able to discuss the etiology of central retinal artery occlusion correctly.	K	KH	Y
Objective 14	At the end of session a student of phase III part I must be able to discuss the pathology of central retinal vein occlusion correctly.	K	KH	Y
Objective 15	At the end of session a student of phase III part I must be able to discuss the pathology of branched retinal vein occlusion correctly.	K	KH	Y
Objective 16	At the end of session a student of phase III part I must be able to discuss the pathology of hemiretinal vein occlusion correctly.	K	KH	Y
Objective 17	At the end of session a student of phase III part I must be able to discuss the pathology of central retinal artery occlusion correctly.	K	KH	Y
Objective 18	At the end of session a student of phase III part I must be able to enumerate the clinical features of central retinal vein occlusion correctly.	K	K	Y
Objective 19	At the end of session a student of phase III part I must be able to enumerate the clinical features of branched retinal vein occlusion correctly.	K	K	Y
Objective 20	At the end of session a student of phase III part I must be able to enumerate the clinical features of hemiretinal artery occlusion correctly.	K	K	Y
Objective 21	At the end of session a student of phase III part I must be able to enumerate the clinical features of central retinal artery occlusion correctly.	K	K	Y
Objective 22	At the end of session a student of phase III part I must be able to describe the clinical features of central retinal vein occlusion correctly.	K	K	Y
Objective 23	At the end of session a student of phase III part I must be able to describe the clinical features of branched retinal vein occlusion correctly.	K	K	Y
Objective 24	At the end of session a student of phase III part I must be able to describe the clinical features of hemiretinal artery occlusion correctly.	K	K	Y
Objective 25	At the end of session a student of phase III part I must be able to describe the clinical features of central retinal artery occlusion correctly.	K	K	Y
Objective 26	At the end of session a student of phase III part I must be able to describe management of central retinal vein occlusion correctly.	K	K	Y
Objective 27	At the end of session a student of phase III part I must be able to describe management of branched retinal vein occlusion correctly.	K	K	Y
Objective 28	At the end of session a student of phase III part I must be able to describe management of hemiretinal artery occlusion correctly.	K	K	Y
Objective 29	At the end of session a student of phase III part I must be able to describe management of central retinal artery occlusion correctly.	K	K	Y
Objective 30	At the end of session a student of phase III part I must be able to demonstrate the correct technique for fundus examination correctly.	S	SH	Y

Objective 31	At the end of session a student of phase III part I must be able to enumerate the normal fundus findings correctly.	K	K	Y
Objective 32	At the end of session a student of phase III part I must be able to describe the normal fundus findings correctly.	K	KH	Y
Objective 33	At the end of session a student of phase III part I must be able to enumerate the abnormal fundus findings with the help of fundus diagram correctly.	S	SH	Y
Objective 34	At the end of session a student of phase III part I must be able to describe the abnormal fundus findings with the help of fundus diagram correctly.	S	SH	Y
Objective 35	At the end of session a student of phase III part I must be able to distinguish between normal fundus findings and abnormal fundus findings correctly.	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
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to define LASER used in ophthalmology correctly.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to enumerate the indications for laser therapy in the treatment of detachment correctly.	K	K	Y
Objective 3	At the end of session a student of phase III part I must be able to enumerate the indications for laser therapy in retinal degenerations correctly.	K	K	Y
Objective 4	At the end of session a student of phase III part I must be able to enumerate the indications for laser therapy in diabetic retinopathy	K	K	Y
Objective 5	At the end of session a student of phase III part I must be able to enumerate the indications for laser therapy in 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
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to enumerate the pre-requisites for fundus examination correctly.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to discuss the pre-requisites for fundus examination correctly.	K	KH	Y
Objective 3	At the end of session a student of phase III part I must be able to discuss the correct technique for fundus examination correctly.	K	KH	Y
OP8.4	Enumerate and discuss treatment modalities in management of diseases of the retina.	K	KH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to enumerate various diseases of retina correctly.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to define retinal vasculitis correctly.	K	K	Y
Objective 3	At the end of session a student of phase III part I must be able to discuss clinical features of retinal vasculitis correctly.	K	KH	Y
Objective 4	At the end of session a student of phase III part I must be able to enumerate the investigations of a case of retinal vasculitis correctly.	K	K	Y
Objective 5	At the end of session a student of phase III part I must be able to discuss the treatment of a case of retinal vasculitis correctly.	K	KH	Y
Objective 6	At the end of session a student of phase III part I must be able to define hypertensive retinopathy correctly.	K	K	Y
Objective 7	At the end of session a student of phase III part I must be able to discuss pathogenesis of hypertensive retinopathy correctly.	K	KH	Y
Objective 8	At the end of session a student of phase III part I must be able to discuss grading of hypertensive retinopathy correctly.	K	KH	Y
Objective 9	At the end of session a student of phase III part I must be able to discuss pathogenesis of hypertensive retinopathy correctly.	K	KH	Y

Objective 10	At the end of session a student of phase III part I must be able to discuss grading of hypertensive retinopathy correctly.	K	KH	Y
Objective 11	At the end of session a student of phase III part I must be able to discuss clinical feature of hypertensive retinopathy correctly.	K	KH	Y
Objective 12	At the end of session a student of phase III part I must be able to describe management of hypertensive retinopathy correctly.	K	K	Y
Objective 13	At the end of session a student of phase III part I must be able to define diabetic retinopathy correctly.	K	K	Y
Objective 14	At the end of session a student of phase III part I must be able to discuss pathogenesis of diabetic retinopathy correctly.	K	KH	Y
Objective 15	At the end of session a student of phase III part I must be able to classify diabetic retinopathy correctly.	K	K	Y
Objective 16	At the end of session a student of phase III part I must be able to describe non-proliferative diabetic retinopathy correctly.	K	KH	Y
Objective 17	At the end of session a student of phase III part I must be able to describe proliferative diabetic retinopathy correctly.	K	KH	Y
Objective 18	At the end of session a student of phase III part I must be able to describe diabetic maculopathy correctly.	K	KH	Y
Objective 19	At the end of session a student of phase III part I must be able to describe advance diabetic eye disease correctly.	K	KH	Y
Objective 20	At the end of session a student of phase III part I must be able to discuss management of diabetic retinopathy correctly.	K	KH	Y
Objective 21	At the end of session a student of phase III part I must be able to define retinopathy of prematurity correctly.	K	K	Y
Objective 22	At the end of session a student of phase III part I must be able to discuss etiopathogenesis of retinopathy of prematurity correctly.	K	KH	Y
Objective23	At the end of session a student of phase III part I must be able to list the retinal zones involved in retinopathy of prematurity correctly.	K	K	Y
Objective 24	At the end of session a student of phase III part I must be able to enumerate the differential diagnosis of retinopathy of prematurity correctly.	K	K	Y
Objective 25	At the end of session a student of phase III part I must be able to discuss screening modality for retinopathy of prematurity correctly.	K	KH	Y
Objective 26	At the end of session a student of phase III part I must be able to describe management of retinopathy of prematurity correctly.	K	KH	Y
Objective 27	At the end of session a student of phase III part I must be able to define retinitis pigmentosa correctly.	K	K	Y
Objective 28	At the end of session a student of phase III part I must be able to discuss the incidence of retinitis pigmentosa correctly.	K	KH	Y
Objective 29	At the end of session a student of phase III part I must be able to enumerate the clinical feature of retinitis pigmentosa correctly.	K	K	Y
Objective 30	At the end of session a student of phase III part I must be able to describe the clinical feature of retinitis pigmentosa correctly.	K	KH	Y
Objective 31	At the end of session a student of phase III part I must be able to discuss the systemic association of retinitis pigmentosa correctly.	K	KH	Y
Objective 32	At the end of session a student of phase III part I must be able to define cystoid macular edema correctly.	K	K	Y
Objective 33	At the end of session a student of phase III part I must be able to discuss pathogenesis of cystoid macular edema correctly.	K	KH	Y
Objective 34	At the end of session a student of phase III part I must be able to discuss clinical feature of cystoid macular edema correctly.	K	KH	Y
Objective 35	At the end of session a student of phase III part I must be able to discuss complications of cystoid macular edema correctly.	K	KH	Y
Objective 36	At the end of session a student of phase III part I must be able to describe management of cystoid macular edema correctly.	K	KH	Y
Objective 37	At the end of session a student of phase III part I must be able to define retinal detachment correctly.	K	K	Y
Objective 38	At the end of session a student of phase III part I must be able to classify retinal detachment correctly.	K	K	Y
Objective 39	At the end of session a student of phase III part I must be able to discuss the pathogenesis of retinal detachment correctly.	K	KH	Y

Objective 40	At the end of session a student of phase III part I must be able to list clinical features of retinal detachment correctly.	K	K	Y
Objective 41	At the end of session a student of phase III part I must be able to describe clinical features of retinal detachment correctly.	K	KH	Y
Objective 42	At the end of session a student of phase III part I must be able to discuss treatment modalities of retinal detachment correctly.	K	KH	Y
Objective 43	At the end of session a student of phase III part I must be able to define Retinoblastoma correctly.	K	K	Y
Objective 44	At the end of session a student of phase III part I must be able to discuss the classification of retinoblastoma correctly.	K	KH	Y
Objective 45	At the end of session a student of phase III part I must be able to describe pathology of retinoblastoma correctly.	K	KH	Y
Objective 46	At the end of session a student of phase III part I must be able to discuss clinical features of retinoblastoma correctly.	K	KH	Y
Objective 47	At the end of session a student of phase III part I must be able to discuss differential diagnosis of retinoblastoma correctly.	K	KH	Y
Objective 48	At the end of session a student of phase III part I must be able to describe treatment modalities of retinoblastoma correctly.	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
	Learning Objectives	K	KH	Y
Objective 1	At the end of session a student of phase III part I must be able to elicit the anatomical course of optic nerve correctly.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to describe the course of optic nerve with clinical significance correctly.	K	KH	Y
Objective 3	At the end of session a student of phase III part I must be able to describe the lesions of visual pathway correctly.	K	KH	Y
Objective 4	At the end of session a student of phase III part I must be able to describe pupillary light reflex pathway correctly.	K	KH	Y
Objective 5	At the end of session a student of phase III part I must be able to discuss the abnormalities of pupillary light reflex correctly.	K	KH	Y
Objective 6	At the end of session a student of phase III part I must be able to define optic neuritis correctly.	K	K	Y
Objective 7	At the end of session a student of phase III part I must be able to discuss the etiology of optic neuritis correctly.	K	KH	Y
Objective 8	At the end of session a student of phase III part I must be able to enumerate clinical types of correctly.	K	K	Y
Objective 9	At the end of session a student of phase III part I must be able to describe clinical feature of optic neuritis correctly.	K	KH	Y
Objective 10	At the end of session a student of phase III part I must be able to enumerate the diagnostic tests for optic neuritis correctly	K	K	Y
Objective 11	At the end of session a student of phase III part I must be able to discuss management of optic neuritis correctly.	K	KH	Y
Objective 12	At the end of session a student of phase III part I must be able to define toxic amblyopia correctly.	K	K	Y
Objective 13	At the end of session a student of phase III part I must be able to classify toxic amblyopia correctly.	K	K	Y
Objective 14	At the end of session a student of phase III part I must be able to describe clinical feature of toxic amblyopia correctly.	K	KH	Y
Objective 15	At the end of session a student of phase III part I must be able to discuss management of toxic amblyopia correctly.	K	KH	Y
Objective 16	At the end of session a student of phase III part I must be able to define papilloedema correctly.	K	K	Y
Objective 17	At the end of session a student of phase III part I must be able to enumerate causes of disc edema correctly.	K	K	Y
Objective 18	At the end of session a student of phase III part I must be able to describe etiopathogenesis of papilloedema correctly.	K	KH	Y
Objective 19	At the end of session a student of phase III part I must be able to discuss clinical feature of papilloedema correctly.	K	KH	Y

Objective 20	At the end of session a student of phase III part I must be able to discuss treatment of papilloedema correctly.	K	KH	Y
Objective 21	At the end of session a student of phase III part I must be able to define optic atrophy correctly.	K	K	Y
Objective 22	At the end of session a student of phase III part I must be able to classify optic atrophy correctly.	K	K	Y
Objective 23	At the end of session a student of phase III part I must be able to discuss pathological features of optic atrophy correctly.	K	KH	Y
Objective 24	At the end of session a student of phase III part I must be able to discuss etiology of optic atrophy correctly.	K	KH	Y
Objective 25	At the end of session a student of phase III part I must be able to describe clinical features of optic atrophy correctly.	K	KH	Y
Objective 26	At the end of session a student of phase III part I must be able to list the investigations for a case of optic atrophy correctly.	K	KH	Y
Objective 27	At the end of session a student of phase III part I must be able to describe treatment of optic atrophy correctly.	K	KH	Y
Topic: Miscellaneous	Number of Competencies (05)			
OP9.1	Demonstrate the correct technique to examine extra ocular movements (Unicocular & Binocular)	S	P	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to discuss various extra ocular muscle actions correctly.	K	KH	Y
Objective 2	At the end of session a student of phase III part I must be able to discuss the technique to check for movement of extra ocular muscles correctly	K	KH	Y
Objective 3	At the end of session a student of phase III part I must be able to demonstrate extra ocular movements independently.	S	SH	Y
OP9.2	Classify, enumerate the types, methods of diagnosis and indications for referral in a patient with heterotropia/ strabismus	K	KH	Y
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to define strabismus correctly.	K	K	Y
Objective 2	At the end of session a student of phase III part I must be able to enumerate the types of strabismus correctly.	K	K	Y
Objective 3	At the end of session a student of phase III part I must be able to discuss the various methods to diagnose various types of strabismus correctly.	K	KH	Y
Objective 4	At the end of session a student of phase III part I must be able to discuss the indications which need referral in a patient with strabismus correctly.	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
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to discuss headache caused by refractive error correctly.	K	KH	Y
Objective 2	At the end of session a student of phase III part I must be able to discuss the importance of refractive error correction in a patient with headache correctly.	K	KH	Y
Objective 3	At the end of session a student of phase III part I must be able to enumerate the various indications for referral in a patient with headache in refractive error correctly.	K	K	Y
Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/SH/P	Core (Y/N)
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
	Learning Objectives			
Objective 1	At the end of session a student of phase III part I must be able to enumerate the National Programs for Control of Blindness correctly.	K	KH	Y

Objective 2	At the end of session a student of phase III part I must be able to enumerate the causes of avoidable blindness correctly.	K	K	Y
Objective 3	At the end of session a student of phase III part I must be able to discuss the causes of avoidable blindness correctly.	K	KH	Y
Objective 4	At the end of session a student of phase III part I must be able to discuss vision 2020 correctly.	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
Learning Objectives				
Objective 1	At the end of session a student of phase III part I must be able to describe how to evaluate a patient with ocular injury correctly.	K	KH	Y
Objective 2	At the end of session a student of phase III part I must be able to discuss the steps to stabilize the patient with ocular injury correctly.	K	KH	Y
Objective 3	At the end of session a student of phase III part I must be able to discuss the primary treatment for patient with ocular injury correctly.	K	KH	Y
Objective 4	At the end of session a student of phase III part I must be able to discuss the indication for referral of patient to higher center with ocular injury correctly.	K	KH	Y

Column C: K- Knowledge, S – Skill, A - Attitude / professionalism, C- Communication.

Column D: K – Knows, KH - Knows How, SH - Shows how, P- performs independently,

Column F: DOAP session – Demonstrate, Observe, Assess, Perform.

Column H: If entry is P: indicate how many procedures must be done independently for certification/ graduation