



BRAINWARE UNIVERSITY

Term End Examination 2024-2025

Programme – B.Optometry-2021/B.Optometry-2022

Course Name – Systemic Conditions & Eye

Course Code - BOPTOC505

(Semester V)

Full Marks : 60	Time: 2:30 Hours
The figure in the margin indicates full marks	Candidates are required to give their answers in their own

words as far as practicable.]

G	ro	u	p-	A

(Multiple Choice Type Question)

1 x 15=15

- Choose the correct alternative from the following :
- (i) What is the normal range for fasting blood glucose levels?
 - a) 50-70 mg/dL

b) 70-100 mg/dL

c) 100-125 mg/dL

- d) 125-150 mg/dL
- (ii) Select the correct option from the following: ______ is the mostly found in the membrane of the Herpes Virus particle that helps in attachment of it with the plasma membrane cell surface.
 - a) Glycoproteins

b) Lipids

c) Carbohydrates

- d) Enzymes
- (iii) Which of the following is a common symptom of diabetic retinopathy?
 - a) Blurred vision

- b) Floaters in the vision
- c) Dark spots or empty areas in vision
- d) All of these
- (iv) Which among the following systemic disorders is associated with passive oedema of eyelids?
 - a) Diabetes

b) Rheumatoid arthritis

c) Hyperproteinaemia

- d) Chronic renal failure
- (v) A patient complains of sudden painless loss of vision in one eye for past 24 hours, with an associated history of atherosclerosis. Identify the possible cause.
 - a) Central retinal artery occlusion
- b) Diabetic retinopathy

c) Hypertensive retinopathy

- d) Cystoid macular oedema
- (vi) Which of the following is a common symptom of hypertensive retinopathy?
 - a) Blurred vision

b) Eye redness

c) Eye pain

d) Sensitivity to light

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(vii)	Which of the following is NOT a treatment of	option for hypertensive retinopathy?	
	a) Blood pressure medication c) Vitrectomy	b) Laser therapy d) Scleral Buckling	
(viii)	Which of the following ocular complications undergoing radiation therapy?	s is more commonly seen in cancer patients	
	a) Dry eye syndrome c) Retinal detachment	b) Optic neuritis d) Conjunctivitis	
(ix)	Choose the correct option from the following		
	a) increased	b) decreased	
(x)	c) unchanged Onchocerciasis-induced river blindness is pr	d) unequal imarily caused by:	
/vi)	a) Microfilariae migrating to the corneac) Damage to the retinaThe presence of microfilariae in the anterior	d) Increased intraocular pressure	
(XI)	a) Anterior uveitis	b) Macular edema	
	c) Optic disc swelling	d) Retinal detachment	
(xii)	Which of the following is a long-term consecomplications?	quence of onchocerciasis-related ocular	
	a) Blindness	b) Color blindness	
(xiii)	c) Night blindness Liposarcoma defines cancer of of th	d) Double vision e body.	
	a) Smooth muscles	b) Mucous membrane	
(viv)	c) Fatty tissues Which of the following is a common equipment	d) Soft tissues	
(XIV)	Which of the following is a common ocular of		
	a) Retinal detachment c) Cataract	b) Glaucoma d) Optic neuritis	
(xv)	Which of the following is a common ocular of		
	a) Cataracts	b) Glaucoma	
	c) Macular degeneration	d) Dry eyes	men
	etion !	Group-B	
	(Short Ansv	ver Type Questions)	3 x 5=15
2. Ex	plain the mechanism of ocular complications	s in AIDS patients.	(3)
	3. Explain the ocular complications that can arise as a result of malaria infection.		(3)
4. Explain the role of vitamin C in preventing ocular complications.		(3)	
5. How is diabetic retinopathy diagnosed?		(3)	
	6. A 30 yr old male came to your clinic with the c/o U/L ocular irritation, watering and photophobia*2 weeks. The patient had ocular history of HSV epithelial kertatitis*2.5 yrs for		
	nich patient have already underwent Rx .Exp		
	obable management approach in this case.		
		OR	
W	hat is the underlying cause of rheumatoid ar	thritis and how does it affect the joints?	(3)
	Tulk gor on menetical	Group-C	
	(Long Answ	ver Type Questions)	5 x 6=30

	Explain the specific preoperative precautions and interventions required for patients with conditions such as glaucoma, cataracts, or retinal disorders undergoing ocular surgery.	(5)
12	. Describe the ocular manifestations of vitamin E deficiency and its potential impact on vision. OR	(5)
	* 1week.Her systemic history shows that she was already underwent Radiation tx for Breast cancer*8 mths and currently undertaking Trastuzumab for 1 mth. Analyze the probable ocular condition in this case and provide proper management approach in this case.	
11	. A 50 yr old female came to your clinic with the c/o OU ocular irritation, watering , photophobia	(5)
10	. Explain the ocular complications commonly associated with Sjogren's syndrome.	(5)
9.	vision. Explain the role of autoimmunity in the development of Thyroid Eye Disease.	(5)
8.	Explain the potential complications of untreated hypertensive retinopathy and their impact on	(5)
/.	Discuss the grading system used to classify hypertensive retinopathy and explain its significance in determining disease severity.	(5)

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