



BRAINWARE UNIVERSITY

Term End Examination 2023 Programme – B.Optometry-2022 Course Name – Ocular Physiology **Course Code - BOPTOC202** (Semester II)

Time: 2:30 Hours Full Marks: 60

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

(i) Choose Aqueous humor is formed by which of the following structures? b) Lens a) Cornea c) Ciliary body d) Retina

(ii) Recall the weakest bony orbital wall is

a) Roof b) Floor d) Lateral c) Medial

Choose the correct alternative from the following:

(iii) During corneal metabolism Identify the derived oxygen predominantly depends on

b) Atmosphere a) Aqueous humor d) Tear film c) Limbal vasculature

(iv) Choose which colour vision deficiency associated with central serous retinopathy (CSR)

a) Red-green deficiency b) Blue-yellow deficiency d) None of these c) Blue cone monochromatism (v) Recall which of the following bones does not make up the medial orbital wall?

b) maxilla a) lacrimal d) Palatine c) sphenoid (vi) Choose the correct options where optic nerve is aboutmm in length

b) 47-50 a) 40-50 d) 40-50 c) 48-60

(vii) Identify the correct grades of BSV where it has the ability of both eyes produce a composite picture from two similar pictures

a) stereopsis

d) None of these c) fusion

b) simultaneous macular perception

(viii)	Identify and tell which theory of colour vision is	called Young- Helmholtz theory	
()	a) Trichomatic theory	b) Opponent colour theory	
	c) both a and b	d) None of these	
(ix)	Identify the pigment layer of Retina that stores I	arge quantities of	
	a) Vitamin A	b) Calcium	
	c) Granules	d) None of these	
(x)	Identify The aqueous humor is drained from the		
(structures		
	a) Schlemm's canal	b) Canal of Petit	
	c) Canal of Cloquet	d) Canal of Fontana	
(xi)	Choose the types of corneal vascularization seen	•	
	a) Superficial vascularization	b) Deep vascularization	
	c) Retrocornael Pannus	d) All of these	
(xii)	Tell what we will called if both eyes moves in op	•	
	a) version	b) vergence	
	c) depression	d) elevation	
(xiii) Memorize which layer of the eyeball is responsible in protection of eye			
	a) Sclera	b) Retina	
	c) Choroid	d) Zygimatic bone	
(xiv)	Pick up the correct option which refers to the m	ovement pf the one eye	
	a) version	b) duction	
	c) vergence	d) convergence	
(xv)	Select the correct characteristic of cornea		
	a) Vascular in nature	b) Avascular in nature	
	c) anterior 1/5th of outer fibrous coat	d) All of these	
	Cura	B	
	Gro i (Short Answer T		2 5 . 45
	(enserting)	The Questions,	3 x 5=15
2. D	efine Hering's Law		(2)
3. Explain yoke muscle with an example.			(3) (3)
4. Discuss the common causes of lesion at Lateral Chaisma and Optic Radiations			(3)
5. P	5. Prepare a list of tests which can be used for detecting Colour Blindness		
6. Draw the figure of any one type of Hemianopia			(3) (3)
_	O	R	` '
. ,	scriminate between scotopic and mesopic vision		(3)
	Gro	ın-C	
	(Long Answer T		`
	, ,	7F0 Questions)	5 x 6=30
7. :	summarize the process of formation of Aqueous I	lumor in human eve	4-1
8.	Discriminate with agonist, antagonist and synergists with an example		(5)
9.	. Discuss the factors influencing Dark Adaptation		(5)
	O. Discuss the actions of extraocular muscle.		(5) (5)
11.	Reframe the mechanism of light adaptation		(5) (5)
12.	Explain in brief visual pathway with proper diagra		(5) (5)
	O Explain the important cause of lesions of the visua	R	(5)
	. The visual states of resions of the visual	n hatumak	(5)