





BRAINWARE UNIVERSITY

Term End Examination 2023 Programme – B.Optometry-2019/B.Optometry-2020 Course Name - Visual Optics II **Course Code - BOPTO402** (Semester IV)

Full Marks: 60 [The figure in the margin indicates full marks own words	-	ime: 2:30 Hours nswers in their
	,	
(Multiple Cl 1. Choose the correct alternative from the fo	Group-A hoice Type Question) ollowing:	1 x 15=15
(i) What is the position of far point in myop	ic eve?	
a) Vrtual and behind the eye c) Infinity (ii) What is the accomodative lag generally for infacility?	b) Real and infront of eyed) At 40 cm	
 a) Less than +1.00 D c) Less than +0.50 D (iii) Choose the correct name from the follow confirmed using retinoscope 	b) Greater than +1.00 D d) Greater than +0.50 D ving for the step by which final cylinder a	axis is
a) Skewc) Break(iv) Name the cycloplegic drug administered	b) Straddlingd) All of thesein the form of ointment	
a) Homatropinec) Atropine sulphate(v) Identify the retinoscopic technique perfo	b) Scopolamined) Tropicamide	า
a) Dynamic c) Near (vi) Autorefractometer is based on the follow	b) Staticd) None of these	
a) Scheiner\'s Principle c) Both A and B (vii) To check the axis refinement the	b) Optometer Principled) None of these	ns
a) Handle c) Both A and B (viii) If accomodative response exceeds demain	b) Lens d) None of these nd it is termed as	
a) Lead of accomodation	b) Lag of accomodationd) Lag of ocular response	

c) Lead of ocular response

(ix) The accomadation in case of Aphakia	15	
a) Partially lost	b) Present	
c) Paralysed	d) Completely absent	
(x) Staphyloma is clinically seen in	Муоріа	
a) Axial	b) Pathological	
c) Acquired	d) None of these	
(xi) What type of structure is of cornea?		
a) Transparent	b) Translucent	
c) Opaque	d) Vascular	
(xii) The major refractive component of hu	uman eye is contributed by	
a) Cornea	b) Crystalline Lens	
c) Vitreous Humor	d) Aqueous Humor	
(xiii) The total refractive power of cornea is	S	
a) 48 D	b) 43 D	
c) 17 D	d) 60 D	
(xiv) The outermost layer of cornea is know		
a) Capsule	b) Epithelium	
c) Stroma	d) Cortex	
(xv) What is the position of far point in hyp	•	
	•	
a) Vrtual and behind the eye	b) Real and infront of eye d) At 40 cm	
c) Infinity	d) At 40 cm	
	Group-B	
(Short /	Answer Type Questions)	3 x 5=15
(Silot C)	Answer Type Questionsy	2 4 2-12
2. What is amplitude of accommodation?		(2)
3. Write about the different types of Retino	orrono	(3)
4. Write a short note on RAF ruler test	эсоре	(3)
5. Briefly describe about Anisometropia		(3)
6. Explain about cycloplegic refraction.		(3)
o. Explain about cyclopicgic refraction.	OR	(3)
Compare between photopic and scotopic		2-3
compare between priotopic and scotopic	2 131011.	(3)
	Group C	
(long A	Group-C	
(Long A	Answer Type Questions)	5 x 6=30
7. Explain the importance of taking history	before performing refraction?	(5)
8. Draw the schematic representation of reduced eye and mark the cardinal points		(5)
Write down anomalies of accommodation	on. Explain in detail about the Accommodative	(5)
insumciency		(0)
10. What is MEM? Illustrate the procedure	and finding of MEM retinoscopy.	(5)
11. Discuss the steps, principle and findings	of W4DT.	
12. Discuss about AC/A ratio along with its r	neasurement techniques	(5)
	OR	(5)
Discuss about various components of Ac	ccommodation	/E\
		(5)
