



BRAINWARE UNIVERSITY

Term End Examination 2024-2025

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

Course Name – Geriatric Optometry

Course Code - BOPTOC504

(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.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

- (i) Select the devices that is commonly used in low vision management to help geriatric patients read and perform close-up tasks?
 - a) Magnifying glasses
 - b) Hearing aids
 - c) Crutches
 - d) Prosthetic limbs
- (ii) Identify the type of professional specializes in providing low vision rehabilitation services to geriatric patients?
 - a) Ophthalmologist
 - b) Optometrist
 - c) Ophthalmic assistant
 - d) Vision technician
- (iii) Select the importance of lighting in the management of low vision in the elderly?
 - a) Adequate lighting is irrelevant to low vision management.
 - b) Proper lighting can improve visibility and reduce eyestrain.
 - c) Excessive lighting can exacerbate vision problems.
 - d) Lighting has no impact on low vision.
- (iv) Identify the part of the eye that undergoes structural changes that lead to the development of cataracts in the elderly?
 - a) Cornea
 - b) Retina
 - c) Lens
 - d) Optic nerve
- (v) Select the structural change in the eye that is responsible for the development of floaters, which are more common in the elderly?
 - a) Liquification of the vitreous humor
 - b) Reduced corneal sensitivity
 - c) Enlarged sclera
 - d) Thinning of the iris
- (vi) Select from the following that is an age-related structural change that can result in a reduced ability to focus on nearby objects?

Group-C
(Long Answer Type Questions)

5 x 6=30

7. Explain the key components in comprehensive eye examination in geriatric patient. (5)
8. Identify the ocular manifestation of hypertension. Describe in detail. (5)
9. Explain the diagnostic procedure of diabetic retinopathy , and what are the treatment options available for individuals with this condition? (5)
10. Describe in detail the pharmacokinetic changes in pediatric population. (5)
11. Categorise various optical and non-optical devices advised to patient with ARMD (5)
12. Describe three age related vision impairing and non-impairing conditions. (5)

OR

Describe in detail the classical triad of signs in diagnosing POAG. (5)

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