



BRAINWARE UNIVERSITY

Term End Examination 2024-2025

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

Course Name – Contact Lens - II

Course Code - BOPTOC601

(Semester VI)

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) Which of these solutions is most commonly used to clean and store contact lenses?
 - a) Tap water
 - b) Saline solution
 - c) Hydrogen peroxide-based solution
 - d) Alcohol-based solution
- (ii) Select the correct primary ion involved in the process of endothelial pump mechanism
 - a) Sodium (Na⁺)
 - b) Potassium(K⁺)
 - c) Calcium(2⁺)
 - d) Chloride(Cl⁻)
- (iii) Generalise the role of base curve in case of contact lens comfort
 - a) It affects tear production
 - b) It determines lens thickness
 - c) It influences the distribution of pressure on the cornea
 - d) It controls the amount of oxygen reaching the cornea
- (iv) Choose the correct statement among the following which is true about RGP lenses
 - a) RGP lenses are soft and flexible
 - b) RGP contact lenses are made of silicone hydrogel
 - c) RGP lenses allow more oxygen to reach cornea compared to soft contact lenses
 - d) RGP lenses are disposables and intended for daily use
- (v) A 45-year-old patient is presbyopic and requires contact lenses to correct near and distance vision. Which of the following lens types would be most appropriate?
 - a) Spherical lenses
 - b) Toric lenses
 - c) Bifocal contact lenses
 - d) Monovision lenses
- (vi) Which of the following best describes the mechanism by which orthokeratology (Ortho-K) lenses work?
 - a) They flatten the central cornea to correct myopia.
 - b) They reshape the peripheral cornea to correct astigmatism.
 - c) They increase the curvature of the cornea to improve vision.
 - d) They act as a temporary lens to correct presbyopia during the day.