



BRAINWARE UNIVERSITY

Term End Examination 2023-2024
Programme – B.Optomety-2021/B.Optomety-2022
Course Name – Visual optics-II
Course Code - BOPTOC402
(Semester IV)

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 in which case Foster Fuch's spot is seen
 - a) Developmental Myopia
 - b) Degenerative Myopia
 - c) Congenital Myopia
 - d) Bi oblique Astigmatism
- (ii) Identify the average image magnification reported by Spectacle correction
 - a) 0.05
 - b) 0.1
 - c) 0.33
 - d) 0.55
- (iii) Identify the average image magnification reported by correction with contact lens
 - a) 0.05
 - b) 0.1
 - c) 0.33
 - d) 0.55
- (iv) Select the rough estimation of presbyopic add for 45 years old patient
 - a) 1 D
 - b) 1.50 D
 - c) 2 D
 - d) 2.50 D
- (v) Select in which condition duochrome test is not much useful
 - a) Visual acuity worse than 6/9
 - b) Visual acuity worse than 6/6
 - c) Visual acuity better than 6/9
 - d) None of these
- (vi) Choose the color of pupil in case of aphakia
 - a) Jet Black
 - b) Black
 - c) White
 - d) Gray
- (vii) Select the type of astigmatism wherein the rays are focused on the retina in one meridian and behind of the retina in the other meridian
 - a) Simple hypermetropic astigmatism
 - b) Simple myopic astigmatism
 - c) Compound myopic astigmatism
 - d) Compound hypermetropic astigmatism
- (viii) Choose the amplitude of accommodation if the patient feels first sustain blur at 25cm with RAF ruler
 - a) 4D
 - b) 8 D
 - c) 16D
 - d) 25 D

12. One 10 years patient old patient come to your clinic with complaints of headache. On (5)
autorefractometer you are getting both eye +4.00Dsph but on retinoscopy you are getting
variable reflex. As patient is having final exam on next day his parents are not ready for
cycloplegic refraction. But they want spectacle prescription. How you will assess this case
now.

OR

One 5 years old boy come to your clinic his parents complaints while reading he use to hold (5)
book very much closer. On retinoscopy, you are getting variable reflex. Explain how you will
assess this case. What will be your possible diagnosis?
