



BRAINWARE UNIVERSITY

Term End Examination 2023-2024

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

Course Name – Ophthalmic Lens & Dispensing Optics-I

Course Code - BOPTOC303

(Semester III)

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) Name the Refractive index of Trivex
- | | |
|----------|---------|
| a) 1.523 | b) 1.76 |
| c) 1.423 | d) 1.56 |
- (ii) Select the permanent marking of PAL
- | | |
|-------------------------------|------------------|
| a) Distance references circle | b) Fitting cross |
| c) micro-etching | d) None |
- (iii) Select the temporary marking of PAL
- | | |
|------------------|------------------|
| a) Fitting cross | b) micro-etching |
| c) Logo | d) add power |
- (iv) Write the distance between the nasal horizontal indicator and prism references point
- | | |
|----------|----------|
| a) 17 mm | b) 34 mm |
| c) 17 nm | d) 34 nm |
- (v) Crown glass are used for:
- | | |
|------------------|------------|
| a) Single vision | b) Bifocal |
| c) Trifocal | d) All |
- (vi) Write the Two form of high index lenses is:
- | | |
|--------------------------|----------------------------|
| a) Glass high index(GHI) | b) Plastic high index(PHI) |
| c) Both | d) None |
- (vii) Name the 1st inventor of split bifocal lens
- | | |
|----------------------|---------------------|
| a) Benjamin Franklin | b) Morick. |
| c) John Borsch | d) None of the this |
- (viii) Tell the advantage of Benjamin Franklin's bifocal:
- | | |
|----------------------------------|--|
| a) Large field of view. | b) Dust accumulation at dividing line. |
| c) More time and labour required | d) None. |
- (ix) Select the properties of plastic lenses:
- | | |
|----------|-------------------------------|
| a) Heavy | b) Not preferred for children |
|----------|-------------------------------|

