

— BSc
OPT - IV

Jan-2023.

BLDE (DEEMED TO BE UNIVERSITY)

B.Sc. in Optometry

[Time: 3 Hours]

[Max. Marks: 80]

IV SEMESTER

PAPER I - (Optometric Optics I & II)

QP CODE: 8440

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X1 = 10 Marks

1. Mention the various parts of a frame with the help of a diagram. Explain the various types of frames in detail.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Vertex power and vertex distance.
3. Tinted lenses.
4. Lens Maker equation.
5. Prismatic effect of sphero cylinder.
6. Manufacturing of glass.
7. Progressive addition lenses.
8. Reflections from spectacle lenses.
9. High refractive index glasses.
10. Name the materials used in making of frames.

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Name the materials used for spectacle lenses.
12. Properties of cross cylinders.
13. Antiscratch coating.
14. Pantoscopic tilt.
15. Fresnel Prisms.
16. Types of coatings used in lenses.
17. Aspheric lenses.
18. Ghost images.
19. Sag Formula
20. Types of glazing.
21. List down four advantages of plastic safety lenses over glass lenses

Jan-2023,

BLDE (DEEMED TO BE UNIVERSITY)

B.Sc. in Optometry

[Time: 3 Hours]

[Max. Marks: 80]

IV SEMESTER

PAPER II - (Ocular Diseases II & Glaucoma)

QP CODE: 8441

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X1 = 10 Marks

1. Write types of cataract and complication of cataract surgery.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Difference between blunt injury and penetrating injury.
3. Fundus changes in hypertensive retinopathy.
4. Central retinal vein occlusion.
5. Optic Atrophy.
6. Age related macular degeneration.
7. Congenital cataract.
8. Write optic disc changes in glaucoma.
9. Normal tension glaucoma
10. Displacement of lens

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Write cause for microaneurysms.
12. Write three causes for nystagmus.
13. Write three drugs used in treatment of macular edema.
14. Write three causes of relative afferent pupillary defect.
15. Write three retinal signs of retinitis pigmentosa.
16. Write six causes for vitreous haemorrhage.
17. Write three types of IOL
18. Write three drugs used for glaucoma.
19. Name three signs of optic neuritis.
20. Write the structures of angle of anterior chamber.
21. Name three causes for amourotic light reflex.