

BLDE (DEEMED TO BE UNIVERSITY)

B.Sc. in Optometry

[Time: 3 Hours]

[Max. Marks: 80]

VI SEMESTER

PAPER - I (Contact Lenses II)

QP CODE: 8640

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X1 = 10 Marks

1. Contact lens fitting in Keratoconus.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Advantages of contact lenses.
3. Initial patient workup before contact lens fitting.
4. Contact lens solution and properties.
5. Fitting contact lens in children.
6. Therapeutic contact lenses.
7. Contact Lens in aphakia and pseudophakia
8. Gaint Papillary conjunctivitis and Superior limbic Kerato conjunctivitis.
9. Cosmetic contact lenses.
10. Contact lens in prebyopia

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Orthokeratology.
12. Lubricating Agents
13. Prosthetic contact lens.
14. Sagittal depth.
15. Hybrid lens.
16. FDA classification of contact lenses.
17. Refraction over contact lens trial (over refraction).
18. LARS rule.
19. Oxygen Permeability.
20. Bifocal contact lens.
21. Enzymatic cleaners

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VI SEMESTER

PAPER - II (Sports Vision)

QP CODE: 8641

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X1 = 10 Marks

1. Write about different eyewear in sports, protective eyewear in sports. How do you prescribe them?

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Write about sports related eye injuries.
3. How to design sports vision programme?
4. Write about sports vision examination.
5. Write about visual skill in sports and prescription in the form of visual correction.
6. Post traumatic vision syndrome.
7. First aid in sports injuries.
8. Anterior segment injuries due to blunt trauma.
9. Prescription for sports vision correction.
10. Protective eyewear for sports.

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Glare sensitivity.
12. Components of accommodation.
13. Speed of recognition.
14. Visual concentration.
15. Visual memory.
16. Equipments in sports vision.
17. Dominant eye.
18. Name six posterior segment injuries from blunt trauma.
19. Spatial localization.
20. High Contrast.
21. Contact lenses for sports.

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VI SEMESTER

PAPER - III (Pediatric and Geriatric Optometry)

QP CODE: 8642

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X1 = 10 Marks

1. How will you measure visual acuity in children? Explain in detail.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Explain the Duochrome test and its uses.
3. Keratometer.
4. Tests for Binocular Single vision.
5. Diabetic Retinopathy.
6. Posterior subcapsular cataract.
7. Donders rule.
8. Accommodation.
9. Problems with aphakic spectacles.
10. Keratoconus.

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. What is presbyopia?
12. Name three changes which occur with age in cornea.
13. Name the parts of adult lens.
14. Define proptosis mention two causes.
15. Fundus fluorescein angiography.
16. Define cup disc ratio.
17. Anisometropia.
18. Intra Ocular Lenses.
19. Write three causes of loss of vision in children.
20. Enumerate three causes of severe visual loss in the elderly other than Cataract.
21. Name three signs of diabetic retinopathy.

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VI SEMESTER

PAPER - IV (Occupational Optometry)

QP CODE: 8643

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X1 = 10 Marks

1. Give the various indications of lasers in ophthalmology, their hazards and the steps taken for their prevention.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Occupational safety.
3. Factories Act.
4. Protective eye wear.
5. Write about the vision standards in airlines.
6. Indications of laser in ophthalmology.
7. Mechanical injuries of the eye.
8. Visual standards for jobs.
9. Radiation injuries of the eye.
10. Contact lens in industries

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Properties of laser.
12. Write indications of protective glasses.
13. Write about the vision standards in roadways?
14. Measurement of illumination.
15. Name complications of intraocular foreign body
16. Alkali burns.
17. Thermal trauma to the eye.
18. Chalcosis.
19. Electromagnetic radiation.
20. ESI act
21. Expand ILO and WHO.