

# BLDE (DEEMED TO BE UNIVERSITY)

July 2023

## B.Sc. in Optometry

[Time: 3 Hours]

[Max. Marks: 80]

### V SEMESTER

### PAPER - I (Contact Lenses I)

QP CODE: 8540

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 materials used in manufacturing of RGP lenses. Give merits and demerits of each material.

#### Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Discuss about various consideration for fitting extended wear lenses
3. How does cornea receive oxygen during CL wear
4. Therapeutic contact lens
5. Complication associated with contact lens wear
6. optics of contact lens
7. convergence and accommodation with contact lens
8. Giant papillary conjunctivitis
9. Oxygen permeability
10. CLARE

#### Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Donts while handling soft contact lens
12. HEMA
13. Indications for BCL
14. Properties of contact lens material
15. Tear film meniscus
16. Schirmer test
17. Pushup test
18. Impression technique
19. BOZD
20. Heine's scale
21. Zernicke polynomials

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**V SEMESTER**

**PAPER - II (Binocular Vision I&II)**

**QP CODE: 8541**

Your answer should be specific to the questions asked.  
Write Question No. in left side of margin.

**Long Questions**

**10X1 = 10 Marks**

1. Examination of case of a squint

**Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. Cover tests
3. Anomalous Retinal Correspondence
4. Management of Amblyopia
5. Forced Duction test
6. Paralytic squint
7. Synaptophore
8. Hess screen
9. Horopter and Panum's area
10. RAF Ruler

**Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. Maddox Rod
12. Sherrington's Law
13. Vergence
14. Orthophoria
15. Ficks axis
16. Krimsky Corneal Reflex
17. Tests Of Diplopia
18. Saccade And Pursuit
19. Inferior Oblique Muscle Action
20. Nystagmus
21. Worth 4 dot test

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V SEMESTER

PAPER - III (Low Vision Aids)

QP CODE: 8542

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X1 = 10 Marks

1. Non optical devices

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Corneal opacity
3. Write about hand and stand magnifier.
4. Explain the stages of visual development.
5. Management of peripheral field loss
6. Illumination
7. Low vision history
8. Contact lenses in low vision.
9. Optic atrophy
10. Computer software in low vision

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Blindness
12. Define low vision
13. Contrast sensitivity
14. List the common causes of low vision.
15. Travel vision
16. Visual acuity testing in children.
17. Log MAR charts
18. Magnification for near
19. Brailey
20. Define disability
21. Glare control

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**V SEMESTER**

**PAPER - IV (Systemic Disease)**

**QP CODE: 8543**

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

**Long Questions**

**10X1 = 10 Marks**

1. Classification of diabetic retinopathy. Write a note on proliferative diabetic retinopathy

**Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. Hypertensive retinopathy
3. Preoperative precaution and preparation in ocular surgeries
4. HSV keratitis
5. Retinoblastoma
6. Sjogren syndrome
7. Ocular manifestation in leprosy
8. Clinical symptoms and signs of thyroid eye disease
9. CMV retinitis
10. Name 2 medical emergency and how do you address it

**Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. Name 3 ocular emergencies
12. Causes of pseudoproptosis
13. eyelid signs in graves ophthalmopathy
14. Name causes of sudden painless loss of vision
15. Name macular function test
16. Causes of neovascularization in retina
17. Xerophthalmia
18. 3 Ocular manifestation of HIV
19. Name the phases of cell division
20. Name 3 stains used in ophthalmology
21. Name indications of FFA