

B.Sc. Optometry
V

JAN-2024

BLDE (DEEMED TO BE UNIVERSITY)

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. Explain in detail about history taking, ocular examination and measurements to be taken before fitting contact lens to a patient.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Dry eye evaluation
3. Explain about oxygen permeability
4. Contact lens fitting in keratoconus
5. Rose k lenses
6. Orthokeratology
7. Methods to stabilize toric lenses
8. Giant papillary conjunctivitis
9. Contact lens solution
10. Complications associated with contact lens wear

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Back vertex power in contact lens
12. Bicurve lens
13. Indications for BCL
14. Properties of contact lens material
15. Name few classes of lubricants
16. HEMA
17. Papillae and follicles
18. Jack in the box effect
19. Name 3 preservatives used in ophthalmic eye drops
20. Sag equation
21. Abberations in CL

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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. Stereopsis and examination techniques

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Red And Green Googles
3. Evaluation Of Diplopia
4. Abnormal Head Posture
5. BSV Grades
6. Worth 4 Dot Test
7. Synaptophore
8. RAF Ruler
9. Cover And Alternate Cover Test
10. Forced Duction Test

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Maddox Rod
12. Sherrington's Law
13. Horopter
14. Orthophoria
15. Panum Space
16. Krimsky Corneal Reflex
17. Tests Of Diplopia
18. Saccade And Pursuit
19. Inferior Oblique Muscle Action
20. Hirschberg Test
21. Anomalous Retinal Correspondence

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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. Enumerate the optics, uses, advantages and disadvantages of low vision devices

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Non optical devices
3. Electro optical devices
4. Define low vision. Write about WHO classification of low vision.
5. Write about Bi-Optics Telescope
6. Management of peripheral field loss.
7. Causes of low vision in adult and children.
8. Environmental modification in low vision.
9. Pediatric low vision care
10. Contrast Sensitivity

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Visual rehabilitation
12. Magnification for near
13. Define Functional Vision
14. Types of Amsler grid
15. Define power
16. Log Mar Charts
17. Travel vision
18. Disadvantages of stand magnifier.
19. Define disability
20. Brailey
21. Colour Vision testing

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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. List the causes of proptosis. Enumerate clinical finding and treatment of thyroid eye disease

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Proliferative diabetic retinopathy
3. Preoperative precaution and preparation in ocular surgeries
4. Eales disease
5. Herpes simplex virus
6. Sjogren syndrome
7. Ocular manifestation in tuberculosis
8. Ocular myasthenia gravis
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 ptosis
13. Name 3 autosomal dominant inherited diseases of eye
14. Name causes of sudden painful loss of vision
15. Amsler grid chart
16. Genetic counselling
17. Causes of leucocoria
18. Ischemic heart disease
19. Name sinuses surrounding orbit
20. Name 3 stains used in ophthalmology
21. Name 3 indications for OCT