

BLDE (DEEMED TO BE UNIVERSITY)

7/24

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 the classification of contact lenses. Write about selection and evaluation of trial fitting of soft contact lens

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. Contact lens in aphakia , its advantage over spectacle
5. monovision contact lens
6. Orthokeratology
7. Galilean telescope and its application
8. Acanthamoeba keratitis
9. Dk value and its significance
10. CLARE

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Front vertex power in contact lens and its calculation
12. Silicone hydrogels
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

03/08/24

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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. Panum's Space
3. Evaluation Of Diplopia
4. Abnormal Head Posture
5. BSV Grades
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. Hirschberg Test
21. Anomalous Retinal Correspondence

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5/07/2024

B.Sc. in Optometry

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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. Elaborate the guidelines to determining, magnification and selecting low vision aids for distance and near.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Visual rehabilitation of a patient with albinism
3. Large Print
4. Contact lenses in low vision
5. Computer software in low vision
6. Illumination
7. Low vision aids in myopic degeneration
8. Write about high plus addition lens in low vision patients
9. CCTV
10. Field enhancement

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Colour vision in low vision
12. CBR in low vision
13. Glare control devices
14. Explain Cardiff acuity charts
15. Contrast sensitivity
16. Log Mar Charts
17. Writing guide
18. Typoscopes
19. Differentiate between Keplerian and Galilean Telescope
20. Define magnification
21. Define social blindness

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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. What is AIDS? write in detail about ocular manifestation of HIV

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. Retinoblastoma
6. Sjogren syndrome
7. Ocular manifestation in leprosy
8. Ocular manifestation in sarcoidosis
9. Tests for evaluating posterior segment in dense cataract
10. Dendritic ulcer
11. Hypertension in pregnancy

Short Answers: (Any – 10)

3 X 10 = 30 Marks

12. Name 3 stains used in ophthalmology
13. Name 3 indications for OCT
14. Causes of binocular diplopia
15. Name causes of sudden painless loss of vision
16. Causes of neovascularization in retina
17. Metamorphopsia
18. Causes of bilateral proptosis
19. Clinical signs of hypertensive retinopathy
20. What is hard exudate, name 3 condition where it is seen
21. Clinical signs in thyroid eye disease