



SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
(A DEEMED TO BE UNIVERSITY)

B.Sc. Allied Health Sciences Third Year Semester-V

March 2025 Examination

Bachelor of Optometry

Time: 2.30 Hrs.

[Max. Marks: 80]

Subject: Ocular Disease II (Posterior Segment Disease)

Q.P Code: K5260

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Discuss types of Age related macular degeneration and its management
2. Discuss Retinoblastoma clinical features and management

SHORT ESSAY

6 X 5 = 30 Marks

3. Discuss direct ophthalmoscopy
4. Discuss hypertensive retinopathy -classification,pathogenesis.Add a note on malignant hypertension
5. Classify Diabetic Retinopathy & describe its clinical features.
6. Mention the differences between Papilledema & Optic Neuritis.
7. Enumerate the causes of night blindness and explain in detail the management of xerophthalmia
8. Describe the clinical features & management of Retinitis Pigmentosa.

SHORT ANSWERS

10 X 3 = 30 Marks

9. Draw fundus diagram of optic neuritis
10. WHO classification of Xerophthalmia
11. Theories of colour vision
12. Write 3 complications of Anti VEGF
13. Discuss risk factors for diabetic retinopathy
14. Write 3 causes of Night blindness
15. Write symptoms and signs of ischaemic CRVO
16. Write 3 causes for sudden painful loss of vision
17. Causes of rhegmatogenous retinal detachment
18. Name Anti VEGF and its indications

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Clinical & advanced orthotics & Optics

Q.P Code: K5270

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Amblyopia – definition, clinical importance and methods of evaluation and management.
2. Define visual acuity. What is the difference between log MAR chart & Bailey Lovie chart?

Explain step by step how you are going to measure Visual acuity using Snellens acuity

SHORT ESSAY

6 X 5 = 30 Marks

3. Describe Grades of binocular single vision
4. Describe in brief about Diplopia charting
5. Discuss the assessment of AC/A ratio
6. What is “Jack in the box” phenomenon? Define Night Myopia
7. Describe Cycloplegic refraction
8. What is Dynamic Retinoscopy? Explain any 2 methods of dynamic Retinoscopy

SHORT ANSWERS

10 X 3 = 30 Marks

9. Krimsky’s Corneal reflex test
10. Mention the uses of Maddox Rod and Double Maddox rod
11. Panum’s space with diagram
12. Define Herring’s law and Sherrington’s law
13. Write about Hess chart interpretation in Third cranial nerve palsy
14. Mention 3 advantages and Disadvantages of Aphakic spectacles
15. What is static Retinoscopy? Mention its uses
16. Describe about various microscope viewing systems in Slit lamp
17. Describe about Optical condition in Astigmatism
18. Write about uses of Jackson cross cylinder

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Time: 2.30 Hrs.

[Max. Marks: 80]

Community ophthalmology

Q.P Code: K5280

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. What is vision 2020? What are the diseases covered under this scheme? Briefly describe its functioning strategy.
2. What are the objectives and action plan of “National Programme for Control of Blindness” (NPCB)?

SHORT ESSAY

6 X 5 = 30 Marks

3. Discuss causes and problems in management of childhood blindness.
4. Discuss District blindness control society-composition and role.
5. Tele-ophthalmology — role and application.
6. Discuss about clinical features and management of trachoma.
7. WHO classification of Vitamin A deficiency and its management.
8. Discuss about eye donation.

SHORT ANSWERS

10 X 3 = 30 Marks

9. Treatment of Onchocerciasis.
10. Mention 3 causes of gradual loss of vision.
11. Mention 3 causes of corneal blindness.
12. What is SAFE strategy?
13. Define social and legal blindness.
14. Mention 3 causes of preventable blindness.
15. Mention IEC activities in community Ophthalmology.
16. Mention 3 low vision aids.
17. What is Credes method?
18. Mention 3 indications of enucleation.

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Bachelor of Optometry

Time: 2.30 Hrs.

[Max. Marks: 80]

Contact Lens and Eye Bank

Q.P Code: K5290

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Discuss about contact lens solutions, their properties and uses.
2. Discuss Keratoconus & contact lens fitting in Keratoconus patients.

SHORT ESSAY

6 X 5 = 30 Marks

3. Describe the selection of a patient for contact lens fitting
4. Discuss the properties of an ideal contact lens
5. Write about disposable contact lens
6. Define Keratometry. Write Uses of Keratometry in contact lens fitting
7. Discuss the important material properties for soft contact lens
8. Describe the initial patient workup before contact lens fitting.

SHORT ANSWERS

10 X 3 = 30 Marks

9. Define & mention the use of Cosmetic contact lenses
10. Define & mention the use of Bifocal contact lens.
11. Mention the Indications for Toric lens
12. Mention the Contact lens options for keratoconus patients
13. Mention the Parameters for good fitting of contact lens
14. Name the deposits on soft contact lens
15. Name three ways of disinfecting contact lenses.
16. Define Bandage contact lens and its indications
17. Mention the instruments used in measurement of contact lens power
18. Define orthokeratology with example.

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