

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

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

March 2021 Examination

B.Sc. Ophthalmic Technology & Optometry

Time : 2.30 Hrs.

[Max. Marks : 80]

SUBJECT: OCULAR DISEASE -II

Q.P Code : J5680

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Define Papilloedema. Describe the clinical features and management of papilloedema
2. Describe the clinical features and management of optic neuritis

SHORT ESSAY (Answer any 6)

6 X 5 = 30 Marks

3. What are the symptoms and signs of vitreous haemorrhage
4. What are the causes, symptoms and signs of day blindness
5. What are the causes, symptoms and signs of macular edema
6. What are the causes, symptoms and signs of optic atrophy
7. Defects in color vision
8. What is retinal detachment. Mention the symptoms and signs of retinal detachment
9. What are the symptoms and signs of diabetic retinopathy
10. What are the symptoms and signs of hypertensive retinopathy

SHORT ANSWERS (Answer any 10)

10 X 3 = 30 Marks

11. Mention 3 symptoms of retinal detachment
12. Mention 3 causes of papilloedema
13. Mention 3 causes of optic neuritis
14. Mention 3 complications of vitreous haemorrhage
15. Hemeralopia
16. Mention 3 causes of night blindness
17. Signs of retinitis pigmentosa
18. Color blindness
19. 3 Mention syndromes associated with retinitis pigmentosa
20. Enumerate any 3 macular function test
21. Mention 3 causes of corneal oedema
22. Mention 3 symptoms of anterior ischemic optic neuropathy



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Time : 2.30 Hrs.

[Max. Marks : 80]

SUBJECT: CLINICAL AND ADVANCED ORTHOTICS & OPTICS

Q.P Code : J5690

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Define & classify Myopia. Describe the clinical features & management of Pathological myopia.
2. Describe the tests for ARC.

SHORT ESSAY (Answer any 6)

6 X 5 = 30 Marks

3. Enumerate the differences between comitant & incomitant squint
4. Describe the clinical features and management of Keratoconus.
5. Describe the measurement of angle of squint.
6. Describe the stages and tests for binocular single vision.
7. Define AC/A ration and describe tests for it.
8. Describe subjective refraction.
9. Define & classify Astigmatism. Describe the clinical features & management of it.
10. Describe the clinical features & management of third cranial nerve palsy.

SHORT ANSWERS (Answer any 10)

10 X 3 = 30 Marks

11. Define Far point, near point, range, amplitude of accommodation.
12. Describe the rule of thumb for treatment of Presbyopia.
13. Mention 3 uses of synoptophore.
14. Mention the actions of extra ocular muscles.
15. Draw a neat labelled diagram of Strum's conoid.
16. Mention 3 significance of head posture.
17. Describe alternate cover test.
18. Mention 3 visual acuity tests for children 2-5 years.
19. Mention 3 tests for convergence.
20. Mention 3 refractive surgeries for astigmatism.
21. Mention 3 disadvantages of spectacle usage in aphakics.
22. Mention 3 disorders of accommodation.



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**B.Sc. Ophthalmic Technology & Optometry
Third Year (Semester-V) March 2021 Examination**

Time: 2.30 Hrs.

Paper-III

[Max. Marks: 80]

Community Ophthalmology

Q.P Code: J5700

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 × 10 = 20 marks

1. Describe the etiology, risk factors, clinical features and management of Trachoma. Add a note on Trachoma Rapid Assessment Survey. (7 + 3)
2. What is Social and Economic blindness? Discuss various strategies to Screen for Cataract in old age people in a rural setting. (2+8)

SHORT ESSAY (Answer any Six)

6 × 5 = 30 marks

3. Describe the strategy followed under Vitamin A Prophylaxis Programme.
4. What is Avoidable blindness? Enlist the causes for the Avoidable Blindness.(1+4)
5. Describe the functions of DBCS?
6. What is an Eye Bank? What are its functions? (1+4)
7. Describe the duties and responsibilities of a Community Optometrist.
8. Describe the Proposed Structure for Vision 2020 Under NPCBVI?
9. Discuss the Precautions to be taken for Eye Donation at home after Death.
10. Describe the Three tier system of Functioning of Eye Bank in India.

SHORT ANSWER (Answer any Ten)

10 × 3 = 30 marks

11. List three clinical manifestations of Vitamin A deficiency in children?
12. List six diseases covered under NPCBVI?
13. What is the role of the School teacher in prevention of blindness in children?
14. List six contraindications for Eye Donation?
15. Enumerate the list of Items to be carried for Trachoma Rapid Assessment Survey.
16. List the importance of Blindness Control Fortnight.
17. Describe the Mass treatment of Trachoma.
18. Enumerate three myths associated with Eye Donation.
19. Describe the role of DANIDA in prevention of Blindness in India.
20. List any three Transport and Storage Medias for Enucleated Eye.
21. Describe the Pterygium.
22. Enumerate the diseases to be screened before Eye Donation.



Subject: Contact lens and eye bank

Q.P Code : J5710

*Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.*

LONG ESSAY

2 X 10 = 20 Marks

1. Describe the fitting of RGP Contact lens
2. Describe the illumination types and uses of Slit lamp Biomicroscopy

SHORT ESSAY (Answer any six)

6 X 5 = 30 Marks

3. Describe briefly about cosmetic contact lenses
4. Describe Extended wear contact lens
5. Describe the contact lens materials
6. Write advantages of contact lens over spectacles
7. Find out contact lens power for following prescriptions (vertex distance = 14mm)
 - a. -10.00 D sph
 - b. -20.00 D sph
8. Define keratometry. Write uses of keratometry in contact lens fitting
9. Describe the contact lens fitting in Aphakia
10. Describe Care & maintenance of Contact Lenses

SHORT ANSWERS (Answer any ten)

10 X 3 = 30 Marks

11. What are the preservation media used in eye bank?
12. Name the contact lenses used in keratoconus.
13. What is meant by 'Three-point touch'?
14. List the functions of eye bank collection Centre
15. What is Steal phenomenon
16. Describe Pushup test
17. Enumerate the contact lens deposits
18. What is Tight Lens syndrome
19. Mention 3 uses of therapeutic contact lens
20. Name 3 Fitting philosophies
21. Mention 3 contraindications of Contact lens
22. Name 3 storage media for preservation of eyeball

