

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

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

October - 2016 Examination

B.Sc. Ophthalmic Technology (OPH)

Time : 2.30 Hrs.

Paper - I

[Max. Marks : 80]

Community Ophthalmology

Q.P. Code : AHS-141

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

**LONG ESSAY**

**2 X 10 = 20 Marks**

1. Discuss the objectives of Vision 2020 and its strategic approaches.
2. Discuss the objectives, composition and functions of District Blindness Control Society.

**SHORT ESSAY (Answer any Six)**

**6 X 5 = 30 Marks**

3. Goals and objectives of National Programme for control of Blindness in India.
4. Compressive eye care camps.
5. Eye care infrastructure development.
6. Educational and Vocational Rehabilitation of blind.
7. Strategies for control of childhood blindness.
8. Screening camps for glaucoma.
9. Functions of eye bank.
10. Strategies to clear backlog of cataract.

**SHORT ANSWERS (Answer any Ten)**

**10 X 3 = 30 Marks**

11. Eye care at tertiary level.
12. Major causes of blindness in India.
13. Legal aspects of eye donation.
14. Strategies to reduce diabetic retinopathy.
15. Definition of economic, social and legal blindness.
16. Causes for Vitamin A deficiency.
17. Causes for Low vision.
18. Measures to control Trachoma.
19. Measures to control corneal blindness.
20. WHO prevention of blindness programme.
21. Eye health education.
22. Vision for the future.

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Paper - II

[Max. Marks: 80]

**Investigations in Clinical Ophthalmology**

Q.P. Code: AHS-142

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Draw neat labelled diagrams wherever necessary.*

**LONG ESSAY**

**2 X 10 = 20 Marks**

1. what is FFA. Describe the indications, principles and procedure of FFA.
2. What are the different types of lasers and indications of lasers in ophthalmology.

**SHORT ESSAY (Answer any Six)**

**6X 5 = 30 Marks**

3. Gonioscopy.
4. Automated perimetry.
5. Specular microscopy.
6. Lensometer.
7. Syringing.
8. Lasers for diabetic retinopathy.
9. SRK 1 formulae.
10. Color vision tests.

**SHORT ANSWERS (Answer any Ten)**

**10 X 3 = 30 Marks**

11. Uses of ND: YAG laser.
12. Principle of applanation tonometer.
13. Enumerate various methods of sterilisation.
14. Uses of slit lamp.
15. Measurements of angle kappa.
16. Enumerate the uses of Bscan.
17. Describe the FFA procedure.
18. Anterior segment photography.
19. Clinical applications of jones test.
20. Dark adaptation.
21. Uses of OCT.
22. Slit lamp biomicroscopy.

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Paper - III

[Max. Marks : 80]

Management of OT

Q.P Code : AHS-143

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

**LONG ESSAY**

2 X 10 = 20 Marks

1. Discuss different methods of OT sterilization.
2. Discuss macular function tests.

**SHORT ESSAY (Answer any Six)**

6X 5 = 30 Marks

3. Leucocoria.
4. Define papilledema and give its symptoms.
5. Define Anterior blepharitis and give its symptoms.
6. Maintenance of ophthalmic instruments.
7. Pre-operative work-up for cataract surgery.
8. Clinical features and complications of chalazion.
9. Define corneal ectasia and give its types.
10. Anaesthetic agents used in ophthalmology.

**SHORT ANSWERS (Answer any Ten)**

10 X 3 = 30 Marks

11. External hordeolum.
12. Infective keratitis classification.
13. Posterior blepharitis.
14. Probe test.
15. Hot air oven.
16. Rapid steriliser.
17. Types of retinal detachment.
18. Causes of Night blindness.
19. Infective conjunctivitis.
20. Descemetocoele.
21. Define glaucoma.
22. Hard exudates.

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