

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

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

March 2021 Examination

B.Sc. Ophthalmic Technology

Time : 2.30 Hrs.

Paper-I

[Max. Marks : 80]

Subject: Community Ophthalmology

Q.P Code : J6320

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 × 10 = 20 marks

1. What are the aims and objectives of NPCBVI? Enumerate the diseases covered under NPCBVI. Describe the Structure and Activities carried out under Vision 2020? (2+2+6)
2. Describe the Clinical Features of Vitamin A deficiency. Discuss the management and prophylaxis of Vitamin A deficiency in India. Enumerate foods which are rich in Vitamin A.(3+5+2)

SHORT ESSAY (Answer any Six)

6 × 5 = 30 marks

3. What is Avoidable Blindness? Enlist the causes for the Avoidable Blindness.(1+4)
4. What is an Eye donation? What are the Contraindications for Eye donation? (1+4)
5. Describe the Trachoma Rapid Assessment Survey?
6. Describe the Procedure for Eye donation in India.
7. Enumerate the Causes for Blindness in India.
8. What are the components of Primary Eye Care?
9. Describe the Three tier system of Functioning of Eye Bank in India.
10. Describe the functions of DBCS.

SHORT ANSWER (Answer any Ten)

10 × 3 = 30 marks

11. Describe the role of Lions Club in Prevention of Blindness in India.
12. Define and classify Visual Impairment as per the Visual Acuity?
13. What is the role of the School teacher in Prevention of Blindness in Children?
14. List the services provided by Service Centers under Vision 2020.
15. What are Ethical issues related to Eye Donation.
16. Describe the Pterygium.
17. What is River Blindness? Name a drug which is used for its Control.
18. What is Ptosis? List three causes for Ptosis.
19. List three drugs used for treatment of Glaucoma.
20. List any three Transport and Storage Medias for Enucleated Eye.
21. List the importance of Blindness Control Fortnight.
22. Enumerate six causes for Corneal Blindness.



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March 2021 Examination

B.Sc. Ophthalmic Technology

Time : 2.30 Hrs.

[Max. Marks : 80]

Subject: Investigations in Clinical Ophthalmology

Q.P Code : J6330

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Write briefly about Manual and automated perimetry
2. What are the types of illumination used in slit lamp and their clinical applications?

SHORT ESSAY (Answer any six)

6 X 5 = 30 Marks

3. Name the components of slit lamp, and explain the optics.
4. Write a note on Fundus Fluorescein Angiography.
5. Write about specular microscopy
6. Write about lensometer
7. Write about Adapotometry
8. Explain briefly the types of Tonometer
9. Write a note on B Scan
10. Mention the advantages, disadvantages and uses of indirect ophthalmoscope

SHORT ANSWERS (Answer any ten)

10 X 3 = 30 Marks

11. Mention the Tests of colour vision
12. Types of gonioscopes.
13. Define and classify contrast sensitivity
14. Principle of lensometer.
15. Advantages of fundus camera
16. Interpretation of lacrimal syringing
17. Write 100 Hue test
18. Dark adaption.
19. Principle of keratometry.
20. Write various parts of Humphery visual field analysis report
21. Different filters Used in slit lamp examination.
22. Explain the Optics of gonioscopy.



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

March 2021 Examination

B.Sc. Ophthalmic Technology

Time : 3 Hrs.

[Max. Marks : 80]

Subject: Management of OT

Q.P Code : J6340

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

LONG ESSAY

2 X 10 = 20 Marks

1. Explain briefly about OT Sterilization techniques.
2. Define Asepsis. Explain types of Asepsis and steps involved in surgical Asepsis

SHORT ESSAY (Answer any six questions)

6 X 5 = 30 Marks

3. Maintenance of ophthalmic instruments
4. Classify conjunctivitis. Short note on acute bacterial conjunctivitis
5. Types of ventilation and sources of infectious agents
6. Write about grading system of Papilledema
7. What are the stages of Xerophthalmia?
8. What are the causes and clinical features of Choroidal detachment ?
9. Define glaucoma and describe the symptoms of acute angle closure glaucoma.
10. What is Desmetocele? How do you manage a case of impending corneal perforation?

SHORT ANSWERS (Answer any ten questions)

10 X 3 = 30 Marks

11. Lignocaine
12. Atropine
13. Enumerate the causes of hard Exudates in Eye
14. Signs of anterior blepharitis
15. Define Desmetocele and its treatment
16. Enumerate the causes of Night blindness
17. Signs of Angle closure glaucoma
18. Define and classify iridocyclitis
19. Causes and types of Retinal Detachment
20. List 3 Macular Function Tests
21. What are signs of Optic Nerve dysfunction?
22. Signs of bacterial corneal ulcer

