

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

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

February / March-2018 Examination

B.Sc. Ophthalmic Technology (OPH)

Time : 2.30 Hrs.

Paper - I

[Max. Marks : 80]

Clinical and Advanced Orthotics

Q.P Code : AHS-138

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Evaluation of Strabismus.
2. Discuss the anomalies of Accommodation and its management.

SHORT ESSAY (Answer any Six)

6 X 5 = 30 Marks

3. Synoptophore.
4. Diplopia.
5. Prism Bar cover test.
6. Assessment visual acuity in Children.
7. Pleoplics and its importance.
8. What are types of Nystagmus.
9. Bagolini Glasses.
10. Ac/A Ratio.

SHORT ANSWERS (Answer any Ten)

10 X 3 = 30 Marks

11. BSV Grades.
12. Herring Law.
13. Antagonists.
14. Orthophoria.
15. Yolk Muscles.
16. For point of the eye.
17. Types of amblyopia.
18. Worth four Dot Test.
19. Sherrinton's Law.
20. Cover test.
21. Define Nystagmus.
22. Pre-requisites for Binocular vision.

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B.Sc. Ophthalmic Technology (OPH)

Time : 2.30 Hrs.

Paper - II

[Max. Marks : 80]

Clinical & Advanced Optics

Q.P Code : AHS-139

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 Ammetropia. Describe pathological Myopia.
2. History of contacting and indications and contra indications.

SHORT ESSAY (Answer any Six)

6X 5 = 30 Marks

3. Techniques in fitting contact lens in children.
4. What is AC/A ratio.
5. Fitting RGP contact lenses. What is Low ok, high ok.
6. What are the follow up Slitlamb examination after contact lens fitting.
7. What are the methods to correct Astigmatism?
8. Principles of Keratometry and its uses.
9. How the soft contact lens is designed, manufactured.
10. Describe in detail artery of Cornea.

SHORT ANSWERS (Answer any Ten)

10 X 3 = 30 Marks

11. Name three contact lens materials.
12. Name three causes for Paralysis of accommodation .
13. Name 4 types of hypermetropia.
14. What is anisomefropia? Mention the two causes.
15. Methods to correct Presbyopia.
16. Name three methods to correct Aphakia.
17. Name three methods of objective refraction.
18. Name three contraindications for contact lens fitting.
19. Name three types of Ammetropia.
20. Name four Slitlamp biomicroscopy illumination.
21. Name three fitting Philosophies of contact lens.
22. Name three layers of corneal Tear film.

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Time : 2.30 Hrs.

Paper - III

[Max. Marks : 80]

Contact lens and eye Bank

Q.P Code : AHS-140

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. What are the pre-operative and post-operative instructions for collection of eyes and write about preservatives of donor cornea in detail.
2. Write in details initial patient work up and selecting the lens from trial set in fitting procedure of soft contact lens.

SHORT ESSAY (Answer any Six)

6X 5 = 30 Marks

3. Contact lens material.
4. Keratometry.
5. Contact lens in presbyopia.
6. Lens deposits.
7. Ideal contact lens fit for keratoconus.
8. Oxygen permeability of lens material.
9. Spin casting of contact lens.
10. Publicity for eye donation.

SHORT ANSWERS (Answer any Ten)

10 X 3 = 30 Marks

11. Factors responsible for corneal.
12. Sceral R G P lens.
13. Advantages of P M M A hard lens.
14. Lens edge flare.
15. Push-up test.
16. Advantages of disposable contact lenses.
17. Enumerate the indication of disposable contact lenses.
18. Eye bank personale.
19. Functions of eye collection center.
20. Principle of bausch and lomb keratometer.
21. Interpretation of keratometry in astigmatism patients.
22. Various equipments used to perform automated keratometry.

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