

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

Master of Optometry First Year (Semester-II)

July 2019 Examination

Time : 3.00 Hrs.

[Max. Marks : 100]

Ocular Diseases and Diagnostics

Q.P Code : M2240

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 × 10 = 20 marks

1. What is keratoconus? Describe clinical features , signs and symptoms of keratoconus?
2. Describe symptoms, signs and management of endophthalmitis.

SHORT ESSAYS:

10x 5 = 50 marks

3. What is corneal degeneration ? enumerate the types and clinical features.
4. What is Scleritis and how do you differentiate from Episcleritis?
5. Define Pterygium. What are the clinical features and management of Pterygium?
6. Describe the clinical features of Dacryocystitis.
7. Classify uveitis and describe clinical features of the same.
8. Specular microscopy.
9. Classify conjunctivitis and describe the clinical features of the same.
10. What is Symblepharon and describe the clinical features of the same.
11. What are concretions and how do you manage?
12. What is Xerosis and what are the types and how do you manage?

SHORT ANSWERS:

10 × 3 = 30 marks

13. Structures seen in gonioscopy.
14. Enumerate pre LASIK evaluation test.
15. Enumerate post LASIK evaluation test.
16. Indications for OCT.
17. What is Megalocornea?
18. Definition of Glaucoma and its components.
19. Indications for PKP
20. Define Hyperemia and chemosis of conjunctiva.
21. What is corneal dystrophies?
22. Enumerate Goniomirrors.

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Time : 3.00 Hrs.

[Max. Marks : 100]

Advanced Contact Lens-I

Q.P Code : M2250

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 the selection criteria and evaluation of trial lens fitting of soft contact lens.
2. Classify contact lens material. Discuss the physical properties and chemical composition of contact lens material.

SHORT ESSAY

10 x 5 = 50 Marks

3. Discuss about Therapeutic contact lens.
4. Describe Contact lens fitting in aphakia.
5. Write in detail about occupational uses of contact lens.
6. Explain the selection of a patient for contact lens fitting.
7. Write about contact lens solutions and chemical disinfection.
8. Symptoms of loose fit and tight fit in soft contact lens and the remedy.
9. Add a note on extended wear contact lens.
10. Explain about disposable contact lens.
11. Properties of ideal contact lenses.
12. Write about advantages of contact lens over spectacles.

SHORT ANSWERS

10 x 3 = 30 Marks

13. Write some manufacturing techniques of contact lens.
14. Indications for contact lens.
15. Contact lens options for keratoconus patients.
16. Write the parts of contact lens.
17. What is hybrid contact lens?
18. Fitting contact lens in nystagmus.
19. Properties of contact lens solutions.
20. Causes of decentration of soft CL.
21. Types of Rigid lenses.
22. Parameters for good fitting of CL.

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Time : 3.00 Hrs.

[Max. Marks : 100]

Low Vision and Geriatric Optometry
Q.P Code : M2270

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

LONG ESSAYS:

2 X 10 = 20 Marks

1. Describe in detail physiological changes of the eye in old age.
2. Define low vision. How do you assess and manage low vision.

SHORT ESSAYS:

10 X 5 = 50 Marks

3. What are the types of ARMD? Describe the clinical features of the same
4. What are the ocular manifestations of multiple sclerosis?
5. Management of low vision in HIV patient.
6. Describe the ocular manifestation of ocular brain injury
7. Describe ocular vision in Dementia
8. Describe ocular manifestations in Diabetes mellitus.
9. Describe ocular manifestations in Glaucoma.
10. What the psychosocial impact of low vision?
11. Write short notes on spatial orientation in low vision.
12. Differences between paralytic and non-paralytic squint.

SHORT NOTES:

10 X 3 = 30 Marks

13. 3 causes of low vision in HIV patients.
14. Rehabilitation in low vision.
15. 3 causes of paralytic squint.
16. Presbyopia.
17. Types of Hypermetropia.
18. Types of Myopia.
19. Types of Astigmatism.
20. 3 Causes of non-paralytic squint.
21. Types of low vision.
22. Fundus picture in Diabetic Retinopathy.

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Master of Optometry First Year (Semester-II)

July 2019 Examination

Time : 2.00 Hrs.

[Max. Marks : 50]

Research Methodology & Statistics

Q.P Code : M2280

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 × 10 = 20 marks

1. What is variation? Mention 3 important measures of variation. Discuss any one in detail with example.
2. Describe the differences between qualitative and quantitative research. How can they complement each other?

SHORT ESSAY

3 × 5 = 15 marks

3. Systematic random sampling
4. Correlation and regression
5. What is the importance of knowing how to do research?

SHORT ANSWER

5 × 3 = 15 marks

6. What is a research problem
7. How is a hypothesis tested?
8. Un Paired t test
9. Standard Error
10. Uses of Normal Distribution.

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July 2019 Examination

Time : 3.00 Hrs.

[Max. Marks : 100]

Paediatric Optometry & Binocular Vision

Q.P Code : M2260

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 × 10 = 20 marks

1. Define and classify strabismus. Discuss its management
2. Define Binocular vision. Mention three stages of binocular vision. Mention two tests for binocular vision assessment

SHORT ESSAY

10x 5 = 50 marks

3. Define nystagmus and its types
4. Describe visual acuity assessment in 2-3 year old child
5. Describe Amblyopia
6. Describe indications of cycloplegic refraction in a child
7. Describe uses of prisms in strabismus child
8. Differences between paralytic and non-paralytic squint
9. Differential diagnosis of white reflex in pupillary area
10. Describe Ophthalmia neonatorum
11. Describe the stages of development of vision
12. Describe extra ocular movements of eye with nerve supply

SHORT ANSWER

10 × 3 = 30 marks

13. Mention investigations done in congenital dacryocystitis
14. Hirschberg test
15. Role of Atropine in strabismus
16. Cover test
17. Medical treatment of strabismus
18. Write a note on Diplopia
19. Refractive errors in children
20. Opto kinetic nystagmus drum
21. Colour vision tests
22. Mention indications for examination under anaesthesia in a child

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