



Subject : : Ocular Disease -1 (Anterior segment Disease)

Q.P Code : K4220

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 CLARE? Give a brief idea with diagram.
2. Describe Blepharitis- its types, signs, symptoms, etiology & management in detail.

Short Essay

6 X 5 = 30 Marks

3. Classification of conjunctivitis.
4. Describe evaluation of Ptosis.
5. Pre operative evaluation of Cataract surgery.
6. Write about Orbital cellulitis.
7. Briefly write about keratoconus.
8. Write a short note on lacrimal system with diagram.

Short Answers

10 X 3 = 30 Marks

9. Mention the instruments to measure Intra ocular pressure (IOP).
10. Write a short notes on Traumatic Cataract.
11. Describe the management of Chalazion.
12. Write a short notes on Episcleritis.
13. Write signs of Thyroid Eye Disease.
14. Write causes of Sub conjunctival hemorrhage.
15. Write a short note on Dendritic corneal ulcer.
16. Differentiate POAG and PACG.
17. Classify Staphyloma.
18. Write about Bandage Contact Lens.

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

B.Sc. Allied Health Sciences Second Year Semester-IV

September 2024 Examination

Bachelor of Optometry

Time: 2.30 Hrs.

Paper – I

[Max. Marks: 80]

Ocular Pathology & Ocular Pharmacy and Pharmacology

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

(Use separate answer booklet for Section A & B)

Section – A

Ocular Pathology (40 Marks)

Q.P Code : K4235

Long Essay

1X 10 = 10 Marks

1. Draw neat labeled diagram of eyeball. Note on types and pathogenesis of Glaucoma

Short Essay

3 X 5 = 15 Marks

2. Define leukocytosis, causes of lymphocytosis
3. Infectious lesions of eyelid
4. Inflammation- definition, types and events in inflammation

Short Answers

5 X 3 = 15 Marks

5. Acute conjunctivitis
6. Three causes of normocytic normochromic anemia
7. Internal Hordeolum
8. List three tumors of optic nerves
9. Wound healing

Section – B

Ocular Pharmacy and Pharmacology (40 Marks)

Q.P Code : K4236

(Use separate answer booklet for Section-B)

LONG ESSAY

1 X 10 = 10 Marks

1. Classify anti-inflammatory agents. Explain mechanism of action, uses and adverse effects of diclofenac.

SHORT ESSAY

3 X 5 = 15 Marks

2. Explain mechanism of action, uses and adverse effects of doxycycline
3. Mention periocular routes of drug administration. Explain advantages and disadvantage of any two routes
4. Explain mechanism of action, uses and adverse effects of theophylline

SHORT ANSWERS

5 X 3 = 15 Marks

5. Mention the mechanism of action of local anesthetics with their uses
6. Mention three disinfectants and write three uses
7. Explain mechanism of action and write one ocular use and one adverse effect acyclovir
8. List three uses and three adverse effects of corticosteroids
9. List three drugs used to treat dry eye syndrome



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B.Sc. Allied Health Sciences Second Year Semester-IV

September 2024 Examination

Bachelor of Optometry

Time : 2.30 Hrs.

[Max. Marks : 80]

Subject: Ophthalmic & Optical instrumentation & procedures

Q.P Code : K4240

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Theories of colour vision and methods of colour vision evaluation
2. Visual acuity charts – Mention the principle & charts appropriate for pediatric & adult age groups.

SHORT ESSAY

6 X 5 = 30 Marks

3. Write about Indirect ophthalmoscope – working, advantages and disadvantages.
4. Principles of Tonometer.
5. Describe the principle of Gonioscopy.
6. Write about tests for Binocular single vision.
7. Write a note on Pupilometer.
8. Write about use of Jackson cross cylinder.

SHORT ANSWERS

10 X 3 = 30 Marks

9. Phoropter
10. Methods of contrast sensitivity measurement
11. Mention 3 Applications of ERG in ophthalmology
12. Discuss Lacrimal function tests
13. Lensometer – principle & optics
14. Define Fixation losses, False positive errors and false negative errors in Humphrey visual fields
15. Principle & functions of Autorefractometer.
16. Techniques of Gonioscopy
17. Methods of assessing Visual fields
18. Optics of Direct ophthalmoscopy

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