



**(A DEEMED TO BE UNIVERSITY)**

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

**March 2023 Examination**

**B.Sc. Ophthalmic Technology & Optometry**

**Time : 2.30 Hrs.**

**[ Max. Marks : 80]**

**SUBJECT: OCULAR DISEASE -II**

**Q.P Code : J5680**

*Your answers should be specific to the questions asked.*

*Draw neat labeled diagrams wherever necessary.*

**LONG ESSAY**

**2 X 10 = 20 Marks**

1. Define Papilledema. Describe the etiology & clinical features of Papilledema
2. Describe the various tests of malingering.

**SHORT ESSAY** (Answer any six)

**6 X 5 = 30 Marks**

3. Define, classify & describe the clinical features of Amblyopia.
4. Describe the clinical features and management of Rhegmatogenous Retinal detachment
5. Mention the differences between Ischemic and non-ischemic anterior optic neuropathy
6. Describe the fundus changes in Diabetic Retinopathy.
7. Classify and describe the clinical features of Optic Atrophy.
8. Define Phakomatoses. Describe the ocular manifestations in Neurofibromatoses.
9. Write a note on hereditary optic neuropathies.
10. Describe central retinal vein occlusion.

**SHORT ANSWERS** (Answer any ten)

**10 X 3 = 30 Marks**

11. Mention the attachments of Vitreous Humor.
12. Mention 3 causes for night blindness.
13. Mention 3 tumors of optic nerve.
14. Mention 3 differential diagnosis of Disc edema.
15. Mention 3 causes of Vitreous haemorrhage.
16. Mention the triad of retinitis pigmentosa.
17. Write 2 differences between direct and indirect ophthalmoscopy.
18. Name 3 tests for colour vision.
19. Classify Optic neuritis.
20. Name 3 causes of raised intracranial pressure.
21. Mention the types of occlusion therapy.
22. Mention 3 causes of corneal oedema



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**SUBJECT: CLINICAL AND ADVANCED ORTHOTICS & OPTICS**

**Q.P Code : J5690**

*Your answers should be specific to the questions asked.*

*Draw neat labeled diagrams wherever necessary.*

**LONG ESSAY**

**2 X 10 = 20 Marks**

1. Describe in detail about pediatric refraction
2. Discuss amblyopia and its management

**SHORT ESSAY** (Answer any 6)

**6 X 5 = 30 Marks**

3. Discuss orthophoria
4. What are the components of binocular single vision?
5. What are the causes for different head postures?
6. Describe the clinical features of nystagmus
7. What are the corrections for presbyopia?
8. Discuss synaptophore.
9. Describe the clinical features of abnormal retinal correspondence.
10. What is orthoptic?

**SHORT ANSWERS** (Answer any 10)

**10 X 3 = 30 Marks**

11. Convergence exercise
12. What are the extrinsic muscles of the eye ball?
13. Mention 3 uses of prisms
14. Mention any 3 uses of synaptophore
15. Mention 3 tests for binocular single vision
16. What is the normal convergence?
17. What are the types of nystagmus?
18. What is concomitant squint?
19. What are the causes of paralytic squint?
20. What is amblyopia?
21. Mention 3 tests for amblyopia?
22. What is suppression?



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**[Max. Marks: 80]**

**SUBJECT: COMMUNITY OPHTHALMOLOGY**

**Q.P Code : J5700**

*Your answers should be specific to the questions asked.*

*Draw neat labeled diagrams wherever necessary.*

**LONG ESSAY**

**2 × 10 = 20 marks**

1. Describe the etiology, risk factors, clinical features and management of Trachoma. Add a note on Trachoma Rapid Assessment Survey. (7 + 3)
2. What are the cut off values of Visual Acuity for Blindness and Visual Impairment as per WHO. Enumerate the target diseases for the National Program for the same. List the various activities carried out at Training Centers and Centers of Excellence under Vision 2020. (2+3+5)

**SHORT ESSAY (Answer any Six)**

**6 × 5 = 30 marks**

3. Enumerates the causes for Vitamin A deficiency in India. Add a note on its Clinical Manifestations. (2+3)
4. Discuss the methodology for Vision Screening in School Eye Screening Programme?
5. Describe the Epidemiological Determinants for Blindness in India?
6. Enumerate the Causes for Blindness in India.
7. Describe the Procedure for Eye donation in India.
8. Describe the Three tier system of Functioning of Eye Bank in India.
9. What are the Complications of Trachoma? Describe the role of Epilation Forceps in Control of Trachoma. (2+3)
10. Describe the Proposed structure for Vision 2020 Under NPCBVI?

**SHORT ANSWER (Answer any Ten)**

**10 × 3 = 30 marks**

11. List six contraindications for Eye Donation?
12. Define Social and Economic blindness?
13. Enumerate the list of Items to be carried for Trachoma Rapid Assessment Survey.
14. Enumerate three myths associated with Eye Donation.
15. List various screening procedures used in India to assess Prevalence of Blindness.
16. List the importance of Blindness Control Fortnight.
17. List the Fundoscopic Findings/ Signs in Diabetic Retinopathy.
18. What is Proptosis? List three causes for Proptosis.
19. List three drugs used for treatment of Glaucoma.
20. List any three Transport and Storage Medias for Eucleated Eye.
21. What are the components of Primary Eye Care?
22. Enumerate three causes for Congenital Cataract.

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**SUBJECT: Contact lens and eye bank**

**Q.P Code : J5710**

*Your answers should be specific to the questions asked.*

*Draw neat labeled diagrams wherever necessary.*

**LONG ESSAY**

**2 X 10 = 20 Marks**

1. Classify contact lenses. Give their advantages and disadvantages.
2. Discuss about contact lens solutions, their properties and uses.

**SHORT ESSAY** (Answer any 6)

**6 X 5 = 30 Marks**

3. Mention stabilization techniques in soft toric contact lens.
4. Write about Accommodation and Convergence With contact lens.
5. Define Keratometry. Write Uses of Keratometry in contact lens fitting.
6. Mention different classification of contact lens.
7. What are the advantages and disadvantages of spectacles over contact lens ?
8. Describe disposable contact lens.
9. Find out Contact lens power for following prescriptions (vertex distance = 14 mm)
  - a) -4.00DSPH/-4.00DCYLx90
  - b) -3.00DSPH/-5.00DCYLx135
10. List the complications of Soft contact lens. Write in detail about contact lens induced papillary conjunctivitis.

**SHORT ANSWERS** (Answer any 10)

**10 X 3 = 30 Marks**

11. Discuss prosthetic contact lens.
12. Define LARS rule.
13. Discuss oxygen permeability of contact lens.
14. Mention FDA classification of contact lenses.
15. What are Piggy back lens?
16. Describe Orthokeratology.
17. What is Multi Purpose Solutions?
18. Explain the procedure for eye donation.
19. Name 3 instruments for Eucleation.
20. Name 3 stages in manufacturing of contact lens.
21. Name the deposits on soft contact lens.
22. Name 3 contact lens for keratoconus.

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