

**B.Sc. Ophthalmic Technology Third Year Semester-V
February 2020 Examination**

Time : 2.30 Hrs.

[Max. Marks : 80]

CLINICAL AND ADVANCED ORTHOPTICS

Q.P Code : J5290

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Explain the test used for evaluate the squint.
2. Write a note on nystagmus and its types and classification.

SHORT ESSAY (Answer any six questions)

6 X 5 = 30 Marks

3. Explain the test to detect suppression.
4. Define restrictive squint and write its common causes.
5. Explain in detail about pediatric refraction.
6. Define orthoptics and write its therapeutics and diagnostic uses.
7. Forced Duction test.
8. Explain about synergists, Antagonists and yoke muscles.
9. What are the clinical varieties of ocular palsies.
10. Write a note on the treatment of concomitant strabismus.

SHORT ANSWERS (Answer any ten questions)

10 X 3 = 30 Marks

11. Exophoria.
12. Nystagmoid movements.
13. List the methods of measurements of AC/A ratio.
14. Head posture and its significance.
15. Name the laws governing the ocular movements.
16. List the causes for paralysis of accommodation.
17. Anomalies of binocular single vision.
18. Write three therapeutic uses of Synaptophore.
19. Hess screen chart in sixth nerve palsy.
20. Name the test used for visual acuity assessment in infants.
21. Test to detect ARC.
22. Cover Uncover test.

**B.Sc. Ophthalmic Technology Third Year Semester-V
February 2020 Examination**

Time : 2.30 Hrs.

[Max. Marks : 80]

SUBJECT : CLINICAL AND ADVANCED OPTICS

Q.P Code : J5300

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

LONG ESSAY

2 X 10 = 20 Marks

1. Explain about Slit-lamp examination and different types of illumination used in slit-lamp.
2. i) Define Direct ophthalmoscope and explain the principle and procedure of Direct ophthalmoscope.
ii) Describe the difference between Direct ophthalmoscopy and Indirect ophthalmoscopy.

SHORT ESSAY (Answer any six questions)

6 X 5 = 30 Marks

3. Write the techniques used to assessment of accommodation .
4. Write the techniques of dynamic retinoscopy and its interpretation.
5. Write a note on surgical treatment of myopia.
6. Difference between early and modern Auto-refractometer.
7. Explain the refractive types of regular astigmatism with the help of diagram.
8. Write a note on optical correction of Hypermetropia.
9. Treatment of anomalous of convergence.
10. What is irregular Astigmatism. Explain the etiology, clinical features and treatment of irregularastigmatism.

SHORT ANSWERS (Answer any ten questions)

10 X 3 = 30 Marks

11. Limitations of the earlier optometer.
12. Nulling versus open loop measurement principle.
13. Early refractometer.
14. Static versus Dynamic retinoscopy.
15. Post-operative refractive error.
16. List the uses of perimetry.
17. Define Keratoconus and its types.
18. Observation and inference of retinoscopy.
19. Components of observation system of Slit-lamp.
20. Name any three contact and non- contact tonometer.
21. Therapeutic uses of synaptophore.
22. Scheiner's principle.

B.Sc. Ophthalmic Technology Third Year Semester-V
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Time : 2.30 Hrs.

[Max. Marks : 80]

SUBJECT : CONTACT LENS AND EYE BANK

Q.P Code : J5310

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Discuss about contact lens solutions and its properties and uses.
2. Write in detail about soft contact lens and its care and maintenance.

SHORT ESSAY (Answer any six questions)

6 X 5 = 30 Marks

3. Problems and management of cosmetic contact lens.
4. Explain detail about conjunctival complications about contact lens.
5. Explain the types of disinfection used for contact lens.
6. Write the base curve determination of RGP lenses.
7. Write the fluorescein pattern of RGP lenses.
8. Write about post fitting management of soft lenses.
9. Explain the parameters of contact lens.
10. Write the effect of contact lens on corneal nutrition.

SHORT ANSWERS (Answer any ten questions)

10 X 3 = 30 Marks

11. Handling of contact lens.
12. Stages in manufacture of contact lens.
13. Follow up post fitting examination.
14. Follow up slit-lamp examination.
15. Occupational uses of contact lens.
16. Name the care products used for contact lenses.
17. DK value.
18. Explain insertion technique of contact lens.
19. Recentration of the RGP lenses.
20. Rigid lens problems.
21. Effect of blinking on soft contact lens.
22. Explain about low water content lens.

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