

B.OPTOM
(New Syllabus 2015-2016)
THIRD YEAR
PAPER II – ORTHOPTICS

Q.P. Code: 802722

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on: (3 x 10 = 30)

1. Amblyopia – Definition, clinical importance and methods of evaluation and management.
2. Stereopsis and examination techniques to assess stereopsis.
3. Examination of a case of Heterophoria.

II. Write notes on: (8 x 5 = 40)

1. Hess screen.
2. Non surgical management of Strabismus.
3. Neural aspects of binocular single vision.
4. Cover test.
5. Supranuclear Eye movements.
6. EOM anatomy and physiology.
7. Diplopia.
8. Prism bar cover test.

III. Short answers on: (10 x 3 = 30)

1. Krimsky's Corneal reflex.
2. Worth four dot test.
3. Panum's space.
4. Maddox rod.
5. Ocular flutter.
6. Cyclophoria.
7. Agonists.
8. Suppressions.
9. Duane's Syndrome.
10. Nerve supply of rectus muscle.

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Q.P. Code: 802722

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Answer all questions

I. Elaborate on: **(3 x 10 = 30)**

1. Strabismus – Definition, types and treatment of concomitant squint.
2. Define nystagmus, elaborate on its etiology, types and management.
3. Neural aspects of Binocular single vision.

II. Write notes on: **(8 x 5 = 40)**

1. Treatment of Amblyopia.
2. Abnormal head posture and significance.
3. A.V. Phenomenon.
4. Version types.
5. Diplopia Charting.
6. Synaptophore.
7. Spatial sense.
8. Stereopsis.

III. Short answers on: **(10 x 3 = 30)**

1. Types of ARC.
2. Aniseikonia.
3. Two basic principles of squint surgery.
4. RAF ruler.
5. Red and Green goggles.
6. Herring's law.
7. Anisometropia.
8. Sherrington's law.
9. Nerve supply of Extra Ocular Muscles.
10. Panum's space.

[LP 0819]

AUGUST 2019

Sub. Code: 2722

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(New Syllabus 2015-2016)
THIRD YEAR
PAPER II – ORTHOPTICS

Q.P. Code: 802722

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Non surgical management of strabismus.
2. Esodeviations - clinical examination, classification and management.
3. Nystagmus – definition, classification, etiology, types, features and management.

II. Write notes on:

(8 x 5 = 40)

1. Grades of binocular single vision.
2. Abnormal head posture and significance.
3. Synoptophore.
4. Duction – types.
5. Forced duction test.
6. Paralytic squint.
7. Maddox rod.
8. Hess screen.

III. Short answers on:

(10 x 3 = 30)

1. Antagonists.
2. Red and green goggles.
3. Fick's axes.
4. Orthophoria.
5. Horopter.
6. Aneisokonia.
7. Herring's law.
8. Suppression.
9. Vergence.
10. Krimsky's corneal reflex.

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Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. AV phenomena.
2. Amblyopia – definition, clinical importance and methods of evaluation and management.
3. Development of binocular vision.

II. Write notes on:

(8 x 5 = 40)

1. Stereopsis.
2. Pseudo strabismus.
3. Tests for binocular single vision.
4. Prism bar cover test.
5. Diplopia.
6. Visually guided behavior.
7. Panum's space.
8. Worth four dot test.

III. Short answers on:

(10 x 3 = 30)

1. Yolk muscle.
2. Maddox wing.
3. Types of occlusion.
4. ARC.
5. Saccade and pursuit.
6. Eccentric fixation.
7. Agonists.
8. Suppression.
9. Visual distance.
10. Projection.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LR 2722]

**DECEMBER 2020
(AUGUST 2020 EXAM SESSION)**

Sub. Code: 2722

**B.OPTOM
(Regulation from 2015-2016)**

THIRD YEAR

PAPER II – ORTHOPTICS

Q.P. Code: 802722

Time: Three Hours

Maximum: 100 Marks

Answer ALL Questions

I. Elaborate on:

(3 x 10 = 30)

1. Amblyopia – Definition, Clinical importance and methods of Evaluation and Management.
2. Describe pre requisites for development of Binocular Vision.
3. What are sequelae of Third Nerve Palsy and Optical treatment.

II. Write notes on:

(8 x 5 = 40)

1. Brown Syndrome.
2. Non surgical management of Strabismus.
3. Test for SMP, Fusion and Stereopsis.
4. Assessment of AC/A ratio.
5. Supranuclear Eye movements.
6. EOM Anatomy and Physiology.
7. Diplopia.
8. Spatial Sense.

III. Short answers on:

(10 x 3 = 30)

1. Park three step test.
2. Worth four dot test.
3. Panum's space.
4. Double Maddox rod test.
5. Ocular Flutter.
6. RAF Ruler.
7. Agonists.
8. Angle kappa.
9. One-and-a-half Syndrome.
10. Nerve supply of rectus muscle.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0122]

JANUARY 2022

Sub. Code: 2722

(FEBRUARY 2021 & AUGUST 2021 EXAM SESSION)

B.OPTOM

THIRD YEAR (Regulation from 2015-2016)

PAPER II – ORTHOPTICS

Q.P. Code: 802722

Time: Three Hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Eso deviations – Clinical examination, classification and management.
2. What are Sequelae of Third Nerve Palsy and Optical treatment.
3. Examination of a case of Heterophoria.

II. Write notes on:

(8 x 5 = 40)

1. Test for SMP, Fusion and Stereopsis.
2. Non surgical management of Strabismus.
3. Prerequisites of Binocular Single Vision.
4. Synaptophore.
5. Spatial Sense.
6. Hess Screen.
7. Treatment of Amblyopia.
8. Brown Syndrome.

III. Short answers on:

(10 x 3 = 30)

1. One-and-a-half Syndrome.
2. Park three step test.
3. Double Maddox rod test.
4. Agonists.
5. RAF Ruler.
6. Cyclophoria.
7. Angle kappa.
8. Suppressions.
9. Vergence.
10. Nerve supply of extra ocular muscles.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0922]

SEPTEMBER 2022

Sub. Code: 2722

(FEBRUARY 2022 & AUGUST 2022 EXAM SESSIONS)

B.OPTOM

THIRD YEAR (Regulation from 2015-2016)

PAPER II – ORTHOPTICS

Q.P. Code : 802722

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Neural aspects of binocular single vision.
2. Non surgical management of strabismus.
3. What is muscle sequelae? Describe the sequelae of Third nerve palsy and optical treatment.

II. Write notes on:

(8 x 5 = 40)

1. EOM - anatomy and physiology.
2. Hess screen.
3. Spatial sense.
4. Crossed and uncrossed Diplopia.
5. Supranuclear eye movements.
6. Assessment of AC/A Ratio.
7. Forced duction Test.
8. Tests for diplopia.

III. Short answers on:

(10 x 3 = 30)

1. Pannum's space.
2. Yolk muscles.
3. RAF ruler.
4. Angle Kappa.
5. Bynocs.
6. Brown's syndrome.
7. Worth 4 dot test.
8. How to examine action of superior oblique muscle?
9. Types of amblyopia.
10. Pseudoesotropia.
