

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

[AHS 0122]

JANUARY 2022

Sub. Code: 2752

(FEBRUARY 2021 & AUGUST 2021 EXAM SESSION)

**B.OPTOM
THIRD YEAR (Regulation 2018-2019)
PAPER II – ORTHOPTICS
Q.P. Code : 802752**

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Write in detail about the Extra ocular muscles of the eyeball along with its actions, innervations and blood supply.
2. Write in detail about Convergence with neat diagram, various components of convergence and its Anomalies.
3. Write in detail about Divergent Strabismus, along with classification, investigations and management.

II. Write notes on:

(8 x 5 = 40)

1. Physiological Diplopia.
2. Non-Harmonious Abnormal Retinal Correspondence.
3. Microtropia.
4. Brown's Syndrome.
5. Hess Charting.
6. Management for Amblyopia.
7. Fick's axes of rotation.
8. Yoke muscles.

III. Short answers on:

(10 x 3 = 30)

1. Simultaneous Macular Perception.
2. Egocentric Localisation.
3. Sherrington's law.
4. Orthophoria.
5. Eccentric Fixation.
6. RAF ruler.
7. After Image test.
8. Saccades and pursuits.
9. Negative Relative Accommodation.
10. Esotropia.

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

[AHS 0922]

SEPTEMBER 2022

Sub. Code: 2752

(FEBRUARY 2022 & AUGUST 2022 EXAM SESSIONS)

B.OPTOM

THIRD YEAR (Regulation from 2018-2019)

PAPER II – ORTHOPTICS

Q.P. Code : 802752

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Exotropia - classification, investigation and management.
2. Anatomy of extraocular muscles, innervation and blood supply.
3. Neuromuscular anomalies- classification and etiological factors.

II. Write notes on:

(8 x 5 = 40)

1. Duane retraction syndrome.
2. Sensory adaptation.
3. Maddox wing test.
4. AC/A ratio.
5. Synaptophore.
6. Duochrome test.
7. Horopter.
8. Retinal rivalry.

III. Short answers on:

(10 x 3 = 30)

1. Antagonist.
2. ARC.
3. Uncrossed diplopia.
4. Strabismic amblyopia.
5. Andersons goggles.
6. Eccentric fixation.
7. Nystagmus.
8. AV phenomenon.
9. Near reflex triad.
10. Congenital muscle fibrosis.

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

[AHS 0423]

APRIL 2023

Sub. Code: 2752

B.OPTOM
THIRD YEAR (Regulation 2018-2019 onwards)
PAPER II – ORTHOPTICS
Q.P. Code : 802752

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Amblyopia – Definition, development, grades and anomalies.
2. Binocular Single Vision – Grading and Abnormalities.
3. Anomalous Retinal correspondence.

II. Write notes on:

(8 x 5 = 40)

1. Eccentric Fixation.
2. A.V Phenomenon.
3. Prism bar cover test.
4. Abnormal head posture and its significance.
5. Restrictive Squint.
6. Pseudostrabismus.
7. Yolk muscles.
8. Assessment of AC / A ratio.

III. Short answers on:

(10 x 3 = 30)

1. Binocular fusion.
2. Anisokonia.
3. Duction.
4. Herring's law.
5. Visual distance.
6. Cyclophoria.
7. Two test for suppression.
8. Saccades and Pursuits.
9. Stereopsis.
10. Brown syndrome.

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

[AHS 1123]

NOVEMBER 2023

Sub. Code: 2752

B.OPTOM

THIRD YEAR (Regulation 2018-2019 onwards)

PAPER II – ORTHOPTICS

Q.P. Code: 802752

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Write in detail about Esotropia- causes, classification, investigations and treatment.
2. Write in detail about the Horopter with neat diagram and explain about Panum's fusional area and Fixation Disparity.
3. What is Suppression? Explain its causes, investigation and treatment.

II. Write notes on:

(8 x 5 = 40)

1. AC/A ratio.
2. Prism Bar cover test.
3. Near point of Convergence.
4. Monocular Estimation Method.
5. Amplitude of Accommodation.
6. Duane's Syndrome.
7. Diplopia Charting.
8. Paralytic Strabismus.

III. Short answers on:

(10 x 3 = 30)

1. Hering's Law.
2. Grades of Binocular single vision.
3. Nystagmus blockage syndrome.
4. Cyclophoria.
5. Types of Diplopia.
6. Synergist and Antagonist.
7. Pseudo strabismus.
8. Worth four dot test.
9. Bagolini Striated glass.
10. Corresponding retinal points.
