

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

[AHS 0222]

**FEBRUARY 2022
(OCTOBER 2021 EXAM SESSION)**

Sub. Code: 1624

M.OPTOM

FIRST YEAR (Candidates admitted from 2018-2019 & 2020-2021 onwards)

PAPER IV – PAEDIATRIC OPTOMETRY AND BINOCULAR VISION

Q.P. Code : 281624

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Write in detail about Exotropia and its classification, clinical features and optical and non-optical management.
2. Write in detail about Nystagmus, clinical features and types.

II. Write Short Notes on:

(10x6 = 60)

1. Testing colour vision and stereopsis in preschooler
2. Role of refractive error on the development of strabismus
3. What is the role of accommodative and vergence mechanisms in esotropia?
4. What are the Clinical features of sensory exotropia and management?
5. Expand and discuss on APGAR score
6. Dispensing consideration for single vision, bi-focal and progressive lenses for children
7. Duane's retraction syndrome
8. Congenital ptosis and Examination
9. Diagnostic for amblyopia
10. Role of the optometrist in diagnosis and management of Dyslexia

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[AHS 0522]

MAY 2022

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PAPER IV – PAEDIATRIC OPTOMETRY AND BINOCULAR VISION

Q.P. Code : 281624

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Aetiology and pathophysiology of Cranial Nerve III palsy and elaborate on the diagnostic test and its management.
2. Esotropia classification, features and management.

II. Write Short Notes on:

(10x6 = 60)

1. Krimsky and Modified Krimsky.
2. Beilschowsky's Head Tilt Test.
3. What are the effects of COVID and online classes on Myopia progression among school-going children?
4. What factors in pregnancy increase the risk of congenital cataracts?
5. Convergence insufficiency.
6. Diagnostic test for Microtropia.
7. Refractive correction options for pediatric aphakia.
8. Adult amblyopia and management.
9. Visual acuity testing in infants.
10. Importance of AC/A ratio.

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[AHS 1022]

OCTOBER 2022

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I. Elaborate notes on:

(2 x 20 = 40)

1. Aetiology and pathophysiology of III cranial nerve palsy and elaborate on the diagnostic test and its management.
2. Write in detail about Esotropia and its causes, classification, clinical features and optical and non-optical management.

II. Write Short Notes on:

(10x6 = 60)

1. Browns syndrome.
2. Discuss the special consideration to be kept in mind while dispensing glasses for children.
3. Diagnosis and management of amblyopia.
4. Describe the role of atropine in myopia management.
5. Intermittent divergent squint.
6. What are the different types of Nystagmus and its available management options?
7. Write in detail about accommodative insufficiency.
8. Testing colour vision and stereopsis in preschooler.
9. What is ARC? How to assess and manage ARC?
10. Role of the optometrist in diagnosis and management of Dyslexia.

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

[AHS 0523]

MAY 2023

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I. Elaborate notes on:

(2 x 20 = 40)

1. Write on different types of prisms and its application in strabismus.
2. Write on Dyslexia and Optometrists role in the same.

II. Write Short Notes on:

(10x6 = 60)

1. Color vision testing in Pediatric Population.
2. Clinical features in Infantile Esotropia.
3. Write on APGAR score.
4. Use of Cycloplegics in Infant Refraction.
5. Discuss in detail regarding Dispensing guidelines in Pediatrics.
6. Write on development of Binocular vision in Infants.
7. Discuss Myopia management options in Children.
8. Discuss accommodative insufficiency in detail - its symptoms, signs, tests and management options.
9. Write on Electrodiagnostics role in Pediatric Population.
10. Evidence-Based management guidelines in Amblyopia.

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