

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

**[AHS 0122]**

**JANUARY 2022**

**Sub. Code: 2754**

**(FEBRUARY 2021 & AUGUST 2021 EXAM SESSION)**

**B.OPTOM**

**THIRD YEAR (Regulation 2018-2019)**

**PAPER IV - PAEDIATRIC OPTOMETRY AND GERIATRIC OPTOMETRY**

***Q.P. Code : 802754***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Discuss morphological classification of acquired cataract. Discuss preoperative evaluation and management.
2. Discuss methods of vision testing in children according to age group.
3. Write the requisites for binocular single vision. What are the components of binocular vision. Explain Worth4-dot test.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Write the principle, types and uses of keratometer.
2. Problems of aphakia.
3. Hirschberg test.
4. Classify hypertensive retinopathy.
5. Age related Macular degeneration.
6. Define low vision. Classify the grades.
7. Causes of diplopia.
8. Accommodative esotropia.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Define Leucocoria. Write two causes.
2. Ectopia lentis.
3. Retinitis pigmentosa.
4. Pinhole test.
5. What is pseudophakia.
6. Write two causes for congenital cataract.
7. Post mydriatic test.
8. Pachymetry.
9. Types of amblyopia.
10. Types of retinal detachment.

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

**[AHS 0922]**

**SEPTEMBER 2022**

**Sub. Code: 2754**

**(FEBRUARY 2022 & AUGUST 2022 EXAM SESSIONS)**

**B.OPTOM**

**THIRD YEAR (Regulation from 2018-2019)**

**PAPER IV - PAEDIATRIC OPTOMETRY AND GERIATRIC OPTOMETRY**

***Q.P. Code : 802754***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Write about Retinitis pigmentosa, types and rehabilitation for this condition.
2. Write about Ambylopia - signs, symptoms and treatment.
3. Write about Hypertensive Retinopathy, clinical features, stages and treatment.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Visual pathway lesions.
2. Primary open angle glaucoma and its management.
3. Fundus Fluorescein Angiogram.
4. Congenital Ptosis.
5. Vitamin A deficiency.
6. Types of keratoplasty.
7. Nystagmus-types, signs and symptoms.
8. Astigmatism -Types and treatment.

**III. Short answers on:**

**(10 x 3 = 30)**

1. TORCH Infections.
2. Three differential diagnosis for Leukocoria.
3. Titmus fly tests.
4. Pseudomyopia.
5. Photodynamic therapy.
6. Define Accommodation.
7. Bagolini striate glasses and its uses.
8. Pellucid Marginal degeneration.
9. Optic Neuritis-Types.
10. Mires appearance in Goldmann Applanation tonometer.

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

**[AHS 0423]**

**APRIL 2023**

**Sub. Code: 2754**

**B.OPTOM**

**THIRD YEAR (Regulation 2018-2019 onwards)**

**PAPER IV - PAEDIATRIC OPTOMETRY AND GERIATRIC OPTOMETRY**

***Q.P. Code: 802754***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Define Hypermetropia. Discuss the components, symptoms and management of Hypermetropia.
2. Write the clinical features and management of Open Angle Glaucoma.
3. Define Amblyopia. Write the different types and management of Amblyopia.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Tests for binocular single vision.
2. ETDRS classification of Diabetic Retinopathy.
3. Management of Esotropia.
4. Cover and uncover tests and their uses.
5. Write five causes for gradual loss of vision in adults.
6. Investigations for a case of cataract.
7. Write about Presbyopia.
8. Worth 4 – dot test.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Anisometropia types.
2. Write two causes for Proptosis.
3. What is Fogging?
4. What is albinism?
5. Tests for colour vision.
6. Causes for Vitreous Haemorrhage.
7. Sherrington's Law.
8. Maddox Rod test.
9. What is corneal topography?
10. What is Schirmer's test?

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

**[AHS 1123]**

**NOVEMBER 2023**

**Sub. Code: 2754**

**B.OPTOM**

**THIRD YEAR (Regulation 2018-2019 onwards)**

**PAPER IV - PAEDIATRIC OPTOMETRY AND GERIATRIC OPTOMETRY**

***Q.P. Code: 802754***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

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

1. Assessment of Visual Acuity in Infants.
2. Retinoscopy – Principle and Stages.
3. Age Related Macular Degeneration – Investigations and Management.

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

1. Senile ptosis.
2. Non Arteritic anterior ischemic optic neuropathy.
3. Central Retinal vein occlusion.
4. Optic atrophy causes and evaluation.
5. Hypertensive retinopathy.
6. Vitamin A deficiency.
7. Retinal changes in myopia.
8. Humphreys field analyzer.

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

1. Three causes of vision loss in children.
2. Vision assessment in preschool children.
3. Amsler grid.
4. Strabismic amblyopia.
5. Night blindness.
6. Central retinal artery occlusion-causes.
7. Occlusion therapy.
8. Red-glass test.
9. Congenital ectropion.
10. Toxoplasmosis.

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