

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

[AHS 0222]

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

Sub. Code: 1625

M.OPTOM

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

PAPER V – LOW VISION CARE AND GERIATRIC OPTOMETRY

Q.P. Code : 281625

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. How does diabetes mellitus affect the eye resulting in low vision? Write about different ways to manage low vision in such patients.
2. Write about functional assessment of low vision.

II. Write Short Notes on:

(10x6 = 60)

1. Management of low vision associated with diplopia.
2. Management strategies for reduced contrast sensitivity and glare.
3. Different types of telescopes.
4. Dispensing considerations in an ageing patient.
5. Management of low vision associated with retinitis pigmentosa.
6. Different types of magnification.
7. Ageing changes in the retina.
8. Vision rehabilitation.
9. Management of low vision in children with multiple impairments.
10. Common causes of blindness in adults and children.

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

[AHS 0522]

MAY 2022

Sub. Code: 1625

M.OPTOM

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

PAPER V – LOW VISION CARE AND GERIATRIC OPTOMETRY

Q.P. Code : 281625

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Write in detail about Assessment and management of Low Vision in ARMD.
2. Write in detail about Non Optical Low Vision devices.

II. Write Short Notes on:

(10x6 = 60)

1. Age related cataract.
2. Amsler's Grid Test.
3. Contrast Sensitivity Test.
4. Dual Vision & hearing Impairment.
5. Indian disabilities act.
6. Field Expanders.
7. Telescopes.
8. Magnifiers.
9. Macular Function Test.
10. Vision problems associated with multiple sclerosis.

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

[AHS 1022]

OCTOBER 2022

Sub. Code: 1625

M.OPTOM

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

PAPER V – LOW VISION CARE AND GERIATRIC OPTOMETRY

Q.P. Code : 281625

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Write in detail about Assessment and management of Low Vision in Glaucoma Patients.
2. Write in detail about Optical Low Vision devices.

II. Write Short Notes on:

(10x6 = 60)

1. ARMD.
2. Diabetic Retinopathy.
3. Non Optical devices.
4. Functional assessment of Low Vision.
5. Prescribing Prisms in LVA.
6. Factors affecting reading speed in Low Vision.
7. Binocular Vision assessment in Low Vision.
8. Define Low Vision and its classification.
9. Colour Vision deficiency.
10. Role of Virtual Reality.

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

[AHS 1023]

OCTOBER 2023

Sub. Code: 1625

**M.OPTOM
FIRST YEAR (From 2020-2021 onwards)
PAPER V – LOW VISION CARE AND GERIATRIC OPTOMETRY**

Q.P. Code: 281625

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Write about structural and physiological changes of an ageing eye.
2. Define blindness. Enumerate the causes of preventable blindness in India and the measures that can be taken to prevent it.

II. Write Short Notes on:

(10x6 = 60)

1. How does diabetes cause vision impairment?
2. Field expanders.
3. Low vision associated with nystagmus and its management.
4. Role of virtual reality in training low vision patients.
5. The three classical psychophysical methods.
6. Ageing changes in the retina.
7. Different types of telescopes.
8. Amsler's Grid Test.
9. What are the factors to be kept in mind while prescribing low vision aids to a pediatric patient?
10. Dual Vision and hearing impairment.

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

[AHS 0524]

MAY 2024

Sub. Code: 1625

M.OPTOM

FIRST YEAR (From 2020-2021 onwards)

PAPER V – LOW VISION CARE AND GERIATRIC OPTOMETRY

Q.P. Code: 281625

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Explain in detail about Blindness and its causes. Write about the preventive measures taken in India to control Blindness.
2. Explain in detail about non optical devices in LVA.

II. Write Short Notes on:

(10x6 = 60)

1. Diabetic Retinopathy.
2. Vision loss in ARMD.
3. Colour Blindness.
4. Field Expanders.
5. Telescope.
6. Types of Magnifiers.
7. Macular Function Test.
8. Functional assessment of Low Vision.
9. Classification of Low Vision.
10. How do you calculate Magnification for patients with Low Vision?

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

[AHS 1024]

OCTOBER 2024

Sub. Code: 1625

**M.OPTOM
FIRST YEAR (From 2020-2021 onwards)
PAPER V – LOW VISION CARE AND GERIATRIC OPTOMETRY**

Q.P. Code: 281625

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2x20=40)

1. Explain in detail about Low Vision and its leading causes.
2. Explain in detail about Optical devices in LVA.

II. Write Short Notes on:

(10x6=60)

1. Diabetic Maculopathy.
2. Vision Field defects in Glaucoma.
3. Management of Low Vision in RP.
4. ARMD.
5. List out the Non Optical devices.
6. Define visual disability.
7. What is rehabilitation?
8. Vision enhancement techniques.
9. Classification of Blindness.
10. Dyslexia.

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

[AHS 0525]

MAY 2025

Sub. Code: 1625

M.OPTOM

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Q.P. Code: 281625

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Write in detail about Non Optical Low Vision devices.
2. Elaborate on different types of Amsler charts with neat diagrams and its relevant uses.

II. Write Short Notes on:

(10x6 = 60)

1. Spatial orientation and mobility for low vision patients.
2. Macular Function Test.
3. MN near vision chart.
4. Kestenbaum formula for calculating Magnification in low vision.
5. Telemicroscopes.
6. Fresnel prism and its uses in low vision clinic.
7. Rudimentary vision tests.
8. Classification of visual impairment.
9. Types of Stand Magnifiers for the low vision patients.
10. Corneal Disorders in ageing.

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Q.P. Code: 281625

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Discuss about Visual Field defects in Low Vision Patients.
2. Explain about Vision Problems in patients with multiple sclerosis.

II. Write Short Notes on:

(10x6 = 60)

1. ICD classification of Visual Impairment.
2. Vision Enhancement in Low Vision patients.
3. List out Optical devices.
4. How does diabetes cause vision impairment?
5. Field Expanders.
6. Factors affecting Vision in children.
7. Ageing Changes in Retina.
8. Common causes of Blindness in Adults.
9. Telescopes.
10. Angular Magnification.
