

[LL 1017]

OCTOBER 2017

Sub. Code: 1611

**M. OPTOM EXAMS
SECOND YEAR
PAPER I – OPTOMETRY – II**

Q.P. Code: 281611

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Write in detail about Schematic Eyes, Reduced Eyes and its application in optometry procedures.
2. Define hypermetropia, its optics and mention the components of hypermetropia. Enumerate the principles of correction of hypermetropia with spectacle lenses.

II. Write notes on: **(10 x 6 = 60)**

1. Explain the optics of ocular structures.
2. Write in short about the subjective methods of refraction.
3. Presbyopic correction and methods of patient management.
4. Describe the refractive anomalies and their causes.
5. Modulation transfer function and its applications.
6. Difficulties in subjective tests and their avoidance.
7. Ophthalmic uses of prisms.
8. What is short about spectacle magnification?
9. What is angular magnification and how is it calculated in aphakic and presbyopic patients?
10. Write in short about the optics of the human crystalline lens.

[LM 0518]

MAY 2018

Sub. Code: 1611

**M. OPTOM EXAMS
SECOND YEAR
PAPER I – OPTOMETRY – II**

Q.P. Code: 281611

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Write in detail about different types of Astigmatism. Explain about the position of meridional images in relation to retina in each type.
2. Write in detail about optics of the Aphakic eye. Consequences of Uni-ocular Aphakia and its management.

II. Write notes on: **(10 x 6 = 60)**

1. Explain exit and entrance pupil of the Human Eye and its significance.
2. Write in short about the relative size magnification with neat diagram.
3. Write in short about Style-crawford effect.
4. Write in short about the working principle of Argon Laser and its application.
5. Write in short about the sign convention.
6. Write in short about relative distance magnification with neat diagram.
7. Write in short about the cardinal points of the human Eye.
8. Write in short about the refractive properties of the Cornea.
9. Explain modulation transfer function and its application.
10. Explain the significance of Vertex distance during refraction.

[LN 1018]

OCTOBER 2018

Sub. Code: 1611

**M. OPTOM EXAMS
SECOND YEAR
PAPER I – OPTOMETRY – II**

Q.P. Code: 281611

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define aphakia. Write in detail about the optics of the aphakic eye. How will you manage a patient with a) uniocular b) binocular aphakia.
2. Define astigmatism. Write in detail about different types of astigmatism. How is astigmatism corrected?

II. Write notes on:

(10 x 6 = 60)

1. Explain exit and entrance pupil of the human eye and its significance.
2. Write about factors that affect visual acuity.
3. Procedure for cycloplegic refraction.
4. Write about the refractive properties of the cornea.
5. Draw and write about schematic eye. What is its application in optometry?
6. Write about cross cylinder method for astigmatism.
7. Write about the uses of prisms in ophthalmology.
8. Write about LASER – optics, production and application.
9. Write about presbyopia and treatment methods.
10. Write notes on AC/A ratio.

[LP 1019]

OCTOBER 2019

Sub. Code: 1611

**M. OPTOM EXAMS
SECOND YEAR
PAPER I – OPTOMETRY – II**

Q.P. Code: 281611

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: (2 x 20 = 40)

1. Define astigmatism. Write in details about its types and methods of correction.
2. Methodology of retinoscopy. Add a note on retinoscopy in difficult situations.

II. Write notes on: (10 x 6 = 60)

1. Ophthalmic uses of prisms.
2. Optics of crystalline lens.
3. Donder's eye.
4. Magnification and its types and measurement.
5. Autorefractometer.
6. LASER – uses in ophthalmology.
7. AC/A ratio.
8. Emmetropization.
9. Components of visual acuity and notation of visual acuity.
10. Knapp's Law.

[LQ 1019]

NOVEMBER 2020
(MAY 2020 EXAM SESSION)

Sub. Code: 1611

**M. OPTOM
SECOND YEAR
PAPER I – OPTOMETRY – II**

Q.P. Code: 281611

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Write in detail about the properties of LASER, types, and production. Enumerate on the uses of different types of LASER in medical field and ophthalmology.
2. Define myopia. Write in detail about the classifications of myopia, etiology and risk factors. What are the various myopia correction methods?

II. Write notes on: **(10 x 6 = 60)**

1. Write about cross cylinder method for astigmatism.
2. Draw schematic eye and reduced eye. Write their applications.
3. Write about the factors that affect visual acuity.
4. Write about the duochrome test procedure and explain the principle behind it with diagrams.
5. Explain the optics of the human crystalline lens.
6. Write about modulation transfer function and its applications.
7. What are the uses of prisms in ophthalmology?
8. Write about toric transposition. Give an example and explain.
9. Write about the different types of magnification and their application.
10. Write notes on AC/A ratio.
