

[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.
