

PAPER CODE: AHS15010

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
TELANGANA STATE, WARANGAL – 506 002**

**B.Sc. (Allied Health Sciences), SECOND YEAR DEGREE SUPPLEMENTARY EXAMINATIONS:
OCTOBER, 2025**

OPTOMETRY

PAPER I

OPTOMETRIC OPTICS & DISPENSING OPTOMETRY

Time: 3 Hours

Max Marks: 80

Note: Draw diagrams whenever necessary with Black Ball point pen /HB pencil /any dark
Color pencil.

Write essay on any TWO of the following questions:

2 X 10 = 20

1. Write in detail about various spectacle lens materials.
2. Aberrations in Ophthalmic lenses.
3. Write in detail about Transpositions.

Write a short note on any FIVE of the following:

5 X 6 = 30

4. Vertex power and vertex distance.
5. Antireflective coating.
6. Classify different frame types and parts.
7. Prisms.
8. Counselling on wearing and maintenance of spectacles.
9. Tinted lenses.

Write briefly on the following:

10 X 3 = 30

10. Faults in lens materials.
11. Base curve.
12. Anti scratch coating.
13. Aspheric lenses.
14. Optic centre.
15. Prentice rule.
16. Types of Glazing.
17. Define Light.
18. Sag formula.
19. Dioptre
