

PAPER CODE: AHS15010

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES

TELANGANA, WARANGAL – 506 002

B.Sc. (ALLIED HEALTH SCIENCES), SECOND YEAR DEGREE EXAMINATIONS: MAY, 2025

OPTOMETRY

PAPER-I

OPTOMETRIC OPTICS & DISPENSING OPTOMETRY

Time: 3 Hours

Max Marks: 80

Note: Answer all questions

Draw diagrams whenever necessary with Black Ball point pen /HB pencil /any dark

Color pencil.

Write an essay on any TWO of the following questions:

2 X 10 = 20

1. Describe frame construction, measurements and markings.
2. Describe Lens manufacturing process.
3. Write in detail about lens defects.

Write a short note on any FIVE of the following:

5 X 6 = 30

4. Lens decentration.
5. Interpupillary distance.
6. Bifocal lenses.
7. Properties of cross cylinders.
8. Protective lenses.
9. Transpositions.

Write briefly on the following:

10 X 3 = 30

10. Crutch spectacles.
11. Mirror coating.
12. Advantages of high index lenses.
13. Meniscus lens.
14. Spherical aberration.
15. Vertex distance.
16. Types of bridges.
17. Knapp's law.
18. Toric lens.
19. Prentice rule.
