

B.Sc. OPTOMETRY
THIRD YEAR
PAPER IV – DISPENSING OPTICS

Q.P. Code: 806064

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Explain different types of ophthalmic filters and tints.
2. Elaborate on lens materials such as polycarbonate, trivex, CR-39 and high index lenses.
3. ANSI standards.

II. Write notes on:

(8 x 5 = 40)

1. What are the various measurements required to fit a progressive lens?
2. Write about Aspheric lenses.
3. Write about spectacle verification.
4. Ophthalmic filters.
5. IPD and its importance.
6. Glass versus plastics.
7. Indications and contraindications of PAL's.
8. Ghost Images.

III. Short answers on:

(10 x 3 = 30)

1. Waves.
2. What is DBL and A-size?
3. Mention few safety goggles.
4. Refractive index.
5. How is Near IPD measured?
6. ARC principle.
7. Equal tint and gradual tint.
8. Recumbent spectacles.
9. Mention any two trouble shoot with progressive lenses.
10. Fused bifocals
