

**DIPLOMA IN OPTOMETRY TECHNOLOGY
SECOND YEAR**

**PAPER I – REFRACTION TECHNIQUES, CONTACT LENSES, LOW VISION
AIDS AND OPTICAL DISPENSING**

Q.P. Code: 841536

Time : Three Hours

Maximum : 100 Marks

Answer All questions.

I. Elaborate on:

(3 x 10 = 30)

1. Explain the different types of optical device used in low vision aids with its feature.
2. Write about boxing system.
3. Explain the method of complete subjective refraction.

II. Write notes on:

(10 x 5 = 50)

1. Write about hard and soft progressive design.
2. Write short note on photo chromatic lens.
3. Write short note on chromatic aberration and application.
4. Explain about ophthalmometer.
5. Types of intraocular lenses and its features.
6. Fluoresce in fitting in a rigid gas permeable lenses.
7. Fitting of bifocal contact lenses.
8. Difference between handheld and stand magnifier.
9. Explain about rehabilitation in low vision.
10. Jackson cross cylinder.

III. Short answers on:

(10 x 2 = 20)

1. What is cyclopeic refraction?
2. Define Dk/t.
3. Define economic blindness.
4. Define pantoscopic tilt.
5. Importance of IPD.
6. Name the different types of bridges.
7. Explain Snellen's refraction.
8. Schirmers test.
9. Kestenbaum rule.
10. LARS rule.
