

[LI 0216]

FEBRUARY 2016

Sub. Code: 1511

**DIPLOMA IN OPTOMETRY TECHNOLOGY
SECOND YEAR
PAPER I – OPTOMETRIC OPTICS, CONTACT LENSES, LOW
VISION AIDS**

Q.P. Code : 841511

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on: **(3 x 10 = 30)**

1. Discuss the different categories of low vision, advantages and disadvantages of various low vision aids.
2. Indications and contra indications of contact lenses.
3. Discuss different materials used in spectacle lenses and explain about photo chromatic lenses in detail.

II. Write notes on: **(10 x 5 = 50)**

1. Complication of using contact lens.
2. Artificial eye.
3. Progressive lenses.
4. Keratometry.
5. Plastic frames.
6. Problems of improper frame size.
7. Factors affecting visual acuity.
8. Vision charts used in low vision assessment.
9. Effects of contact lens on corneal nutrition.
10. Bifocal lenses.

III. Short answers on: **(10 x 2 = 20)**

1. Base curve.
2. Disposable contact lens.
3. Pre-requisites of a good frame.
4. Crutch spectacles.
5. Back vertex distance.
6. Vision charts used in low vision assessment.
7. Blindness.
8. Surface defects.
9. Two indication for extended wear contact lenses.
10. Name four materials used for spectacle frames.
