In view of representation from the Faculty in Government colleges, in State of AP.
The Syllabus for the 1st year in all Para medical courses is modified accordingly the modified Syllabus for 1st year is kept on website.

<table>
<thead>
<tr>
<th>DIPLOMA IN OPTOMETRY TECHNICIAN COURSE</th>
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<tbody>
<tr>
<td>(TWO YEARS COURSE)</td>
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## Syllabus for First Year

### Paper-I

**BASIC HUMAN SCIENCES**

A) Basics of Anatomy  
B) Basics of Physiology  
C) Basics of Bio-chemistry  
D) Basics of Bio-statistics

### Paper-II

**PHYSICAL SCIENCES**

A) Basics of Pathology  
B) Basics of Blood Banking  
C) Basics of Microbiology  
D) Basics of Central sterilization.

### Paper-III

A) Hospital awareness,  
B) Familiarization of different tables/tubes in surgical dept. Surgical Awareness, Preparation of patient for surgery.  
C) Patient related services.  
D) Communication and computer skills, audio & visual aids.
## Syllabus for Second Year

### Paper-I
- A) Anatomy, Physiology of Human Body, Anatomy of Eye, Retina.
- B) Common Eye diseases, Community Ophthalmology, Eye Banking.
- C) Vision testing, Various Colour visions, Components of vision, Principle of testing for Visual acuity.
- D) Retinoscopy and subjective testing, Visual Fields, Orthotics Role of Optometry Technician.

### Paper-II
- A) Mechanical, Geometrical, Physiological Optics, Laws of Refraction & Reflection.
- B) Physiological Optics, Prisms, Combination of Lenses.
- C) Optical Manufacturing Workshop, Optical Corner.
- D) NPCB, Nutrition causes of Blindness, Eye Problems of School Children.

### Paper-III
- A) Clinical Refraction & Refraction Errors, Auto Refractors.
- B) Advanced Mechanical Optics, Aberration of Ophthalmic glasses.
- C) Identification of Lenses, Spherical, Cylindrical & Prisms, Neutralization Lensometry.