

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

<b>DIPLOMA IN OPTOMETRY TECHNICIAN COURSE (TWO YEARS COURSE)</b>	
<b>Syllabus for First Year</b>	
<b>Paper-I</b>	<b><u>BASIC HUMAN SCIENCES</u></b>  A) Basics of Anatomy B) Basics of Physiology C) Basics of Bio-chemistry D) Basics of Bio-statistics
<b>Paper-II</b>	<b><u>PHYSICAL SCIENCES</u></b>  A) Basics of Pathology B) Basics of Blood Banking C) Basics of Microbiology D) Basics of Central sterilization.
<b>Paper-III</b>	 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.

**DIPLOMA IN OPTOMETRY TECHNICIAN COURSE  
(TWO YEARS COURSE)**

**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.
- D) Instrumentation Study, Instrument Measurement & Critical Care Equipment.