Write short notes on:

**PART A**

1. a) Anatomy & development of crystalline lens and zonules. (4+4)+2
   b) Enumerate congenital anomalies of lens.

2. a) Principle and optics of retinoscopy. 6+4
   b) What are the problems of retinoscopy?

3. Blood supply of optic nerve head and intraorbital optic nerve with well-labeled diagrams, and highlight its clinical importance. 7+3

4. Anatomy and physiology of corneal endothelium. 5+5

5. Anatomy, biochemical composition and physiological roles of retinal pigment epithelium. 4+2+4