

**B.Sc. DEGREE EXAMINATION, ODD SEMESTER 2020**  
**II Year III Semester**  
**Optics**

**Max.marks :25**

Answer any **FIVE** questions ( $5 \times 5 = 25$ ) Marks

1. Describe the air wedge method to determine the thickness of a thin wire.
2. Describe the determination of wavelength of light by normal incidence method.
3. Explain how a Nicol Prism can be used as a Polarizer and an analyser.
4. Discuss the merits and demerits of Ramsden's eyepiece.
5. Explain the principle and structure of optical fiber.
6. With suitable diagram explain Laurent's half shade polarimeter.
7. Discuss about the refracting astronomical telescope.