

School of Medical and Allied Sciences

Optometry
ETE - Jun 2023

Time : 3 Hours

Marks : 100

Sem IV - BOPT4002 - Visual optics-II

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

1. Contrast the mechanism of accommodation with the help of figure. K1 CO1 (5)
2. Explain the lenticular and extralenticular theories of presbyopia. K1 CO3 (5)
3. Demonstrate the Gullstrand mechanical model of accommodation with the points against in this theory. K1 CO2 (5)
- 4) Discuss the duochrome test and WFDT techniques in subjective refraction. K4 CO2 (10)

OR

- Explain the prism dissociated blur balance and alternate occlusion methods for binocular balancing. K4 CO2 (10)
5. Contrast the Helmholtz, Coleman and Schachar's theory of presbyopia. K2 CO1 (10)
 6. Explain presbyopia with its epidemiology, etiology and clinical features. K3 CO2 (10)
 7. Discuss the clinical features of myopia with their management. K3 CO3 (10)
 8. Discuss the anomalies of convergence with their management. K4 CO2 (15)
 - 9) Discuss retinoscopy, various types of retinoscopy, various types of retinoscopes, principle, procedure and problems during retinoscopy. K4 CO3 (15)

OR

- Compile the cycloplegic refraction with various cycloplegic agents and their side effects. K4 CO3 (15)
10. Classify the types of convergence and interpret the measurement units of convergence. K4 CO1 (15)