School of Medical and Allied Sciences
Optometry
ETE - Jun 2023

Time : 3 Hours   **Marks : 100**

Sem VI - BOVT6010 - Vision Technician-II
Your answer should be specific to the question asked
Draw neat labeled diagrams wherever necessary

1. Apply **Simple Transposition** to the following:.   K1 CO5 (5)

    1. +1.75DS/+0.50DC X 10
    2. -2.75DS/-1.00DC X 80
    3. -1.50DS/+1.00DC X 180
    4. +1.00DS/-2.00DC X 110
    5. -1.75DS/-1.75DC X 120

2. Describe the characteristics of light.   K1 CO1 (5)

3. Discuss how does an optometrist take a patient's history.   K1 CO2 (5)

4. If a +4.50 DS lens is decentered 3 mm Nasal and 2 mm Superior, What will be the resulting prismatic effect.   K3 CO2 (10)

5. Do the **Toric transposition** and solve: (-6.00 Base Curve)   K3 CO4 (10)

    1. +1.00DS/+2.00DC x 170
    2. +4.00DS /-4.00DC x 50
    3. +1.00DS / + 7.00DC x 5
    4. +9.00DS /- 2.75DCx 45

6. Mention the optimal RGP contact lens fitting conditions as well as the fitting processes for RGP contacts.   K4 CO4 (10)

OR

Explain difference type of Bifocal Lens with diagram.   K4 CO4 (10)

7. What is the principle of duochrome test? Explain the duochrome test in details.   K2 CO1 (10)

8. Elaborate on the various types of illumination techniques of slit lamp and it's use.   K4 CO6 (15)

9. Discuss about presbyopia and describe how to determine presbyopic addition.   K4 CO3 (15)

10. Draw a label diagram of human eye also mention it's parameters.   K4 CO5 (15)

OR

List and elaborate on different types of tonometer.   K4 CO5 (15)