

School of Medical and Allied Sciences

Optometry
ETE - Jun 2023

Time : 3 Hours

Marks : 100

Sem IV - BOPT4001 - Optometric Optics-II and Dispensing Optics

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

1. Classify the various Frame materials. K1 CO1 (5)
2. Generalise briefly about Monocle K1 CO2 (5)
3. Illustrate components of a spectacle Prescription with a labelled diagram. K1 CO3 (5)
4. Elaborate in brief about the process of manufacturing ophthalmic lens. K3 CO3 (10)
- 5) Appraise in brief the general frame selection guidelines. K4 CO2 (10)

OR

- Illustrate all face shapes. Elaborate the frame selection on the basis of face shapes. K4 CO2 (10)
6. Explain briefly the faults which occurs due to defects on surface of the lens. K3 CO2 (10)
 7. Explain in brief about spectacle repair. K2 CO1 (10)
 8. Describe Bifocal Lens. Appraise the various classification of Bifocals. Explain each in details. K4 CO2 (15)
 9. List the various Lens materials. Explain all the types of Glass lens materials. K4 CO1 (15)
 - 10) What do you understand by Transposition? Elaborate the Steps of Transposition. K4 CO3 (15)
Transpose the following:
 1. +5.00DS/-3.00DC X 75
 2. -2.25DS/-1.75DC X 15 BC= +8.00D

OR

- Transpose the following showing all the step: K4 CO3 (15)
1. -5.00DS/ +2.00DC X 80 BC= -6.00D
 2. +3.50DS/ -3.50DC X 90 BC= -7.00D
 3. +1.00DS/-3.00DC X 115 BC= +6.00D