

THE APOLLO UNIVERSITY
Saketa, Chittoor, AP
AHS - V Semester End Examination, June-2024
OPTT 3601 - OCCUPATIONAL OPTOMETRY

Time: 3 hours

Max. Marks: 60

Section –A (10x2=20 marks)

Answer all Questions

1. Define occupational optometry.
2. Define blindness.
3. What do you mean by ergonomics?
4. Write about 20 -20 -20 rule in context to visual hygiene.
5. What is the first step to take when an eye injury occurs at work?
6. Why is proper lighting important for preventing eye strain in the workplace?
7. How can binocular vision assessment improve workplace safety?
8. What is the primary purpose of visual acuity testing in the workplace?
9. How do virtual reality programs contribute to vision rehabilitation?
10. What is the significance of tele optometry in occupational optometry?

Section –B (5X8=40 marks)

Answer all Questions either A or B with essay type answers

11. A) Describe drug permeability across Cornea and how it crosses from each layer of cornea.

OR

B) How will you categorize visual disability percentage? Explain.
12. A) Describe the fundamental principles of visual ergonomics that should be considered by an optometrist when assessing a workplace.

OR

B) Describe what Computer Vision Syndrome (CVS) is and discuss the common symptoms associated with it.
13. A) Assess the effectiveness of safety training programs in reducing the incidence of occupational eye injuries.

OR

B) Explain the procedures involved in conducting a comprehensive workplace eye safety audit.

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14. A) Discuss the role of visual acuity testing in diagnosing vision problems related to prolonged screen use in the workplace.

OR

B) Discuss how binocular vision problems can affect workplace safety and job performance.

15. A) Discuss the relationship between cardiovascular health and occupational vision.

OR

B) Discuss the potential benefits and challenges of implementing virtual reality in vision rehabilitation programs.
