

BACHELOR OF OPTOMETRY (B.OPTOM)
SEMESTER -VI EXAMINATION, SEPTEMBER- 2026
EYE BANKING AND OT MANAGEMENT

[Time allotted: Three Hours]**[Max Marks: 100]****Note:** Read all the instructions carefully

Answer all questions in serial order. Draw suitable diagrams wherever necessary

Q. 1. Objective type questions: (Attempt All)**(10 x 02 = 20)**

(Very short/ short answer/ MCQ/ One liners/ Fill in the blanks/ True/False)

- a. What do you mean by eye donation? (PO4, CO4)
- b. What should be the age of an eye donor? (PO4, CO4)
- c. Which organization regulates eye banks in India? (PO4, CO4)
- d. What is the ideal temperature of an operation theatre? (PO4, CO3)
- e. What is the purpose of surgical hand scrubbing? (PO1, CO3)
- f. Define asepsis. (PO4, CO3)
- g. In which of the following conditions is enucleation not indicated? (PO5, CO6)
 - i. Ciliary Staphyloma
 - ii. Redness
 - iii. Retinoblastoma
 - iv. Pan ophthalmitis
- h. Which disinfectant is commonly used for OT surfaces? (PO4, CO3)
 - i. Sodium hypochlorite
 - ii. Povidone-iodine
 - iii. Distilled water
 - iv. None of the above
- i. The duration of action of one drop of proparacaine is..... (PO1, CO3)
- j. Enucleation is performed for glaucoma. (True/False) (PO4, CO3)

Q. 2. Short notes/ Short answer type questions (Attempt any Five)**(05 x 04 = 20)**

- a. Write a short note on operation trolley setup. (PO4, CO3)
- b. What is the importance of endothelial cell assessment in a donor cornea? (PO4, CO4)
- c. Write a short note on biomedical waste management in the O.T. (PO4, CO3)
- d. Write short note on surgical scrub, patient skin preparation and draping. (PO1, CO3)
- e. What is the principle and working of an autoclave? (PO4, CO3)
- f. Write the contraindications to eye donation. (PO4, CO4)
- g. What is the role of a specular microscope in eye banking? (PO4, CO4)

Q. 3. Structured questions (Attempt any Three)**(03 x 10 = 30)**

- a. Explain the different types of anaesthesia used in ophthalmology. (PO4, CO3)
- b. Explain corneal preservation methods and preservation media. (PO4, CO4)
- c. Explain the organization, structure, and functions of an eye bank. (PO4, CO4)
- d. Explain measures for prevention of infection in the O.T. (PO1, CO6)

Q. 4. Long Answer/ Essay type questions (Attempt any Two)**(02 x 15 = 30)**

- a. Describe tissue retrieval, donor cornea evaluation and corneal preservation. (PO4, CO4)
- b. Describe O.T. instruments and explain their care, cleaning, sterilization, and storage. (PO4, CO3)
- c. Describe sterilization and the different methods of sterilization used in the O.T. (PO4, CO6)