

OPHTHALMOLOGY

PAPER –IV

OPHTHO/J/13/26/IV

Time : 3 hours  
Max. Marks : 100

IMPORTANT INSTRUCTIONS

- This question paper consists of 10 questions divided into Part 'A' and Part 'B', each part containing 5 questions.
- Answers to questions of Part 'A' and Part 'B' are to be strictly attempted in separate answer sheet(s) and the main + supplementary answer sheet(s) used for each part must be tagged separately.
- Answers to questions of Part 'A' attempted in answer sheet(s) of Part 'B' or vice versa shall not be evaluated.
- Answer sheet(s) of Part 'A' and Part 'B' are not be tagged together.
- Part 'A' and Part 'B' should be mentioned only on the covering page of the respective answer sheet(s).
- Attempt all questions in order.
- Each question carries 10 marks.

PART A

1. What is the principle of Ocular Coherence Tomography (OCT). What are its uses in corneal and retinal diseases? 2+(4+4)
2. What are the various types of anesthesia used for cataract surgery? Describe briefly merits and demerits of each. 2+(4+4)
3. Describe optics of 'Jack in the Box' phenomenon. How can you prevent it? 5+5
4. Describe the anatomy of cavernous sinus. Name all the structures passing through it. 5+5
5. Discuss the role of genetics in Ophthalmology. 10