

OPHTHALMOLOGY

PAPER –I

OPH/J/13/26/1

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 to 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. Enumerate the conditions associated with corneal neovascularization. Briefly discuss the mechanism and various treatment modalities with their rationale of treatment in the management of this condition. 3+3+4
2. Give principle of keratometry. What are the types of keratometers and basic difference between them? Give typical keratometric features in keratoconus. 4+3+3
3. Briefly write on the development of crystalline lens. Enlist the biochemical mechanism of cataractogenesis. Briefly write about various congenital and developmental anomalies of lens. 3+3+4
4. Discuss all the possible ocular injuries with a cricket ball to the eye in a 20 year old male. Give management of traumatic retinal disorders. 5+5
5. Describe AV pattern deviations. Discuss etiology, clinical features and management of these deviations. 2+(2+3+3)

P.T.O