

OPHTHALMOLOGY
PAPER-I

TIME: 3 HOURS
MAX. MARKS: 100

OPH/D/19/26/I

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 question(s) of Part A attempted in answer sheet(s) of part B or Vice versa shall not be evaluated.
- Answer sheets 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 sheets.
- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

Write Short notes on:

PART A

1. a) Metabolism of human crystalline lens. 5+5
b) Biochemical factors responsible for cataract.
2. a) Parameters involved in fluid dynamics in Phacoemulsification. 5+5
b) Differences, advantages and disadvantages of Peristaltic versus Venturi pump.
3. a) Explain the optics of Scleral Contact Lens and RGP Contact Lens. 5+5
b) Contact lenses for Keratoconus.
4. Describe the methods, risks and benefits of tumour biopsy for intraocular and extraocular tumours. 5+2+3
5. a) Drug delivery systems utilized in Ophthalmology. 5+5
b) Antimetabolites used in Ophthalmology.

P.T.O