

**OPHTHALMOLOGY****PAPER-I**

TIME: 3 HOURS

OPH/D/20/26/I

MAX. MARKS: 100

IMPORTANT INSTRUCTIONS

- You are provided with 5 answer sheet booklets. Each individual answer sheet booklet consists of 10 pages excluding the covering jackets.
- This question paper consists of 10 short note questions. Question paper is divided into 5 Parts - A, B, C, D and E, each part containing 2 questions.
- Answers to questions of part A, part B, part C, part D & part E are to be strictly attempted in a separate answer sheet booklet which must be later tagged together at the end of the exam.
- No additional supplementary answer sheet booklet will be provided.
- Answers to question(s) attempted on an answer sheet booklet for a different part will not be evaluated.
- Part A/Part B /Part C/Part D/Part E should be mentioned on the covering page of the respective answer sheet booklet.
- 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.

**OPHTHALMOLOGY****PAPER-I****PART - A**

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Write short notes on:**PART - A**

1. a) Anatomy of retractors of eyelid and its clinical importance. 5+3+2
b) Development of lacrimal drainage system.
c) Mechanism of lacrimal pump.
2. a) Anatomy of angle of anterior chamber. 4+6
b) Principle of gonioscopy and various types of gonioscopes.

**OPHTHALMOLOGY****PAPER-I****PART - B**

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Write short notes on:**PART- B**

3. a) What are the various materials used for spectacle lenses and types of coatings given? 5+5
b) Discuss progressive and bifocal lens design of spectacle lenses and advantages and disadvantages of each design.
4. a) Draw a labelled diagram of pupillary reflex pathway. 5+5
b) Discuss approach to diagnosis of anisocoria.

**OPHTHALMOLOGY****PAPER-I****PART - C**

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Write short notes on:**PART- C**

5. a) Describe aqueous humor dynamics. 5+5
b) Pharmacokinetic of drugs which increase uveoscleral outflow.
6. a) Draw a neat, labeled diagram showing structures passing through the superior orbital fissure. 4+(3+3)
b) Describe clinical features and management in a case of orbital cellulitis.

**OPHTHALMOLOGY****PAPER-I****PART - D**

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Write short notes on:**PART- D**

7. a) What are the types of prospective study and its advantages? 6+4
b) Methods to avoid bias in a study.
8. a) What is Near point and Range of accommodation of 4D of Myope 5+3+2
with amplitude of 8?
b) Tests to determine AC/A ratio.
c) Convergence insufficiency.

OPHTHALMOLOGY**PAPER-I****PART - E**

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Write short notes on:

PART- E

9. a) Describe the surgical anatomy of pars plana. 3+3+4
b) Enumerate the indications of pars plana vitrectomy.
c) Discuss indications and dose of various pharmacological agents used through intravitreal route.
10. a) Discuss the mechanism of action of local anaesthetic agents used 6+4
in Ophthalmology. What are the various routes of administration?
b) What are the complications of peri-bulbar anaesthesia?