

**OPHTHALMOLOGY**

**PAPER-IV**

TIME: 3 HOURS

OPH/D/20/26/IV

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.

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**PART- A**

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**Write short notes on:**

**PART-A**

1. Discuss low vision. What are various low vision aids available? 3+3+4  
Describe the rehabilitation in patients with macular pathology.
2. A 32-year old lady in her second trimester presented to the OPD for the 3+3+4  
management of glaucoma. How will you manage this case? What is the  
difference in the management of glaucoma in the first, second, third  
trimesters and postpartum?

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**PART- B**

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Write short notes on:

**PART-B**

3. Discuss FLACS. Mention the merits and demerits of FLACS in the management of (a) white cataract (b) cataract with small pupil. 4+(3+3)
4. Discuss the disinfection of operation theatre. What is the principle of Laminar air flow and its application in operation room? Discuss the method of sterilization of linen, sharp instruments and blunt instruments. 2+5+3

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**PAPER-IV**

**PART- C**

TIME: 3 HOURS

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**Write short notes on:**

**PART-C**

5. Tabulate Ophthalmic manifestations of COVID-19 infection. What are the protocols to be followed while conducting VR surgeries? 5+5
6. Tissue adhesives in ophthalmic surgery. 10

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**PAPER-IV**

**PART- D**

TIME: 3 HOURS

OPH/D/20/26/IV

MAX. MARKS: 100

**IMPORTANT INSTRUCTIONS**

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Write short notes on:

**PART-D**

7. Describe methods & indications of genetic therapy in ocular diseases. 5+5  
Discuss genetics in retinal diseases.
8. What are the various intra-vitreous implants available? Name few 5+5  
intraocular steroid implants approved by FDA and mention its  
indications, contraindications and side-effects.

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**PAPER-IV**

**PART- E**

TIME: 3 HOURS

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**Write short notes on:**

**PART-E**

- |     |   |    |
|-----|---|----|
| 9.  | Newer perimetry techniques.   | 10 |
| 10. | Role of oxidative stress in vision-threatening ophthalmic diseases. | 10 |