

**OPHTHALMOLOGY**  
**PAPER-IV**

TIME: 3 HOURS  
MAX. MARKS: 100

OPH/J/20/26/IV

**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**

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|---|-----|
| 1. a) Rho kinase inhibitors in Ophthalmology.<br>b) Micro-Invasive Glaucoma Surgery (MIGS).   | 5+5 |
| 2. Intravitreal Aflibercept Injection: mechanism of action, indications, dosage and adverse events. Add a note on comparative effectiveness with other drugs of same group. | 5+5 |
| 3. a) Balloon Assisted Lacrimal Surgery.<br>b) Implants used for orbital reconstruction - advantages and disadvantages.   | 5+5 |
| 4. a) DRCR.net protocols for macular edema.<br>b) VEGF-trap.  | 5+5 |
| 5. a) Lamellar Keratoplasty: types and indication.<br>b) DMEK.  | 5+5 |

**P.T.O**

**OPHTHALMOLOGY**  
**PAPER-IV**

**Please read carefully the important instructions mentioned on Page '1'**

- Answers to questions of Part A and part B are to be strictly attempted in separate answer sheets and the main + supplementary answer sheets used for each part must be tagged separately.
- Answers to question(s) of Part A attempted in answer sheets of Part B or vice versa shall not be evaluated.

**PART B**

- |   |         |
|---|---------|
| 6. Differentiate between Regression, Progression and Ectasia post LASIK with respect to refractive errors. What is WF-Optimized, WF-Guided and Contoura procedures? | 5+5     |
| 7. What is canaloplasty? Discuss indications, technique, IOP lowering efficacy and adverse effects.   | 3+7     |
| 8. a) Topical chemotherapy for ocular tumours.<br>b) Enumerate options for management of uveitic macular oedema (UMO).  | 5+5     |
| 9. a) Diagnosis of Meibomian gland dysfunction.<br>b) DEWS 2 definition of dry eyes.<br>c) Intense pulsed light therapy.<br>d) Lipiflow.                            | 4+2+2+2 |
| 10. Use of smartphone for Ophthalmic imaging & tele ophthalmology.  | 10      |

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