

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

**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**

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|-----|--|---------|
| 6.  | a) Blood Aqueous Barrier and Blood Brain Barrier.  | 6+4     |
|     | b) Clinical implications of both of these barriers.  |         |
| 7.  | a) Principle of Goldmann Applanation Tonometry.  | 5+5     |
|     | b) Corneal Hysteresis.   |         |
| 8.  | a) Retinoscopy - types & technique.  | 1+3+3+3 |
|     | b) Subjective correction (prescription of glasses) in patients aged 15 years and 50 years. |         |
| 9.  | a) Calculation of IOL power in children.   | 5+5     |
|     | b) Selection of IOL in children  |         |
| 10. | a) Pupillary pathway.  | 5+5     |
|     | b) Pathway for accommodation.  |         |

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