

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

**PART B**

1. a) Embryology of development of vitreous. 4+(2+4)  
b) How does one diagnose and manage PHPV?
2. a) Anatomy of Limbus and its surgical importance. (3+3)+(2+2)  
b) Corneal wound healing and the role of Limbus.
3. a) Define hypermetropia and its components. (1+3)+(3+3)  
b) How it effects accommodation and ocular alignment?
4. a) What are bias and confounding in statistical analysis? (2.5+2.5)  
b) A sample of 100 patients was segregated into 2 groups to check the IOP lowering effect of 2 different anti-glaucoma medications. Give 5 possible causes of bias and 5 possible confounders. (2.5+2.5)
5. a) Clinical and microbiological workup of corneal ulcer patient. (3+3)+(2+2)  
b) Additional workup in suspected acanthamoeba and atypical mycobacterial keratitis.

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