

**BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY),PUNE- INDIA**  
**MASTER OF SURGERY**  
**M. S. OPHTHALMOLOGY :SUMMER- 2022**  
**SUBJECT : PAPER-I**

Day : Friday  
Date : 1/7/2022

**S-762-2022**

Time : 01:30 PM-04:30 PM  
Max. Marks : 100

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**N. B. :**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Draw neat and labelled diagrams **WHEREVER** necessary.
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**Q. 1** Describe development of the human lens and discuss physiological changes (15) that occur from earliest to latest stages of life.

**Q. 2** Describe anatomy of ciliary body. Discuss aqueous production and factors (15) affecting it.

**Q. 3** Write notes on **ANY SEVEN** of the following: (70)

- a) Fluid dynamics in phacoemulsification
- b) ERG
- c) Low vision aids
- d) Limbal stem cells
- e) Contrast sensitivity
- f) Visual acuity testing in children
- g) Vitreous substitutes
- h) Binocular single vision

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