OPHTHALMOLOGY

PAPER – I

OPH/J/17/26/I

Time : 3 hours
Max. Marks : 100

Important instructions:

- *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:

1. a) Anatomy and development of angle of anterior chamber (AC) of eye.   (4+3)+3
    b) Developmental anomalies of angle of AC.

2. a) Classification and components of hypermetropia.   4+6
    b) Approach for subjective verification of refraction.

3. a) Structure of tear film.   4+6
    b) Methods to evaluate tear film disorders.

4. a) Transparency of cornea.   3+(2+2+3)
    b) Clinical features, etiology and management of corneal edema.

5. a) What are the types of prospective studies and their advantages?   6+4
    b) What are the methods to avoid bias in a study?

6. a) Labeled diagram of Sturm's conoid.   3+3+4
    b) Classify astigmatisms with example.
    c) Methods to treat astigmatism.

7. a) Pupillary pathways with diagram.   5+5
    b) Causes, grading and clinical importance of relative afferent pupillary defect.

8. a) Optical principle of multifocal intra ocular lens (MF-IOL).   2+4+4
    b) Classify MF-IOL.
    c) Enumerate the patient selection criteria for MF-IOL.

9. a) Anatomy of superior orbital fissure.   5+5
    b) Anatomy of cavernous sinus.

10. Methods to increase the ocular bioavailability and efficacy of drugs used in treatment of ocular disorders, along with example.   10

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