OPHTHALMOLOGY

PAPER – I

OPH/J/15/26/I

Time : 3 hours
Max. Marks : 100

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 questions of Part ‘A’ attempted in answer sheet(s) of Part ‘B’ or vice versa shall not be evaluated.
- Answer sheet(s) 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 sheet(s).
- 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.

PART A

Write short notes on:

1. Principles, composition, clinical applications and advantages of an ETDRS visual acuity chart. 2+2+3+3
2. Causes, clinical features, special investigations and management in a case of Sjogren’s syndrome. 2+2+3+3
3. Principles, technique, advantages and possible sources of error in performing Goldmann’s applanation tonometry. 2+2+3+3
4. a) Anatomy and development of the macula. 4+(2+2)+2
   b) Different zones of macula and their clinical importance.
   c) Enumerate the macular function tests.
5. a) Signs of optic nerve dysfunction. 4+6
   b) Various investigations available to assess the optic nerve function.

P.T.O.
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Please read carefully the important instructions mentioned on Page ‘1’

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PART B

Write short notes on:

6. a) Difference between a Horopter and Panum’s area. 4+(3+3)
   b) Sensory and motor adaptations to strabismus.

7. a) Clinical features and causative organisms of a case of bacterial corneal ulcer. (3+2)+5
   b) How will you investigate such a case?

8. Causes, clinical features and management of ectopia lentis. 3+2+5

9. Pathology, differential diagnosis, adverse prognostic factors and non-surgical management of a case of choroidal melanoma. 2+2+2+4

10. a) Measures of central tendency in a series of observations. 5+5
    b) Measures of variability of individual observations.