

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

PART B

Write short notes on:

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|-----|--|---------|
| 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. | |
