

**OTO-RHINO-LARYNGOLOGY**

PAPER – I

ENT/J/15/28/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) What are inner ear fluids and their biochemical composition?<br>b) Regulatory mechanism of inner ear fluids.                    | (2+4)+4 |
| 2.  | a) Hidden areas of middle ear.<br>b) Give their diagrammatic representation and surgical importance.                               | 4+(4+2) |
| 3.  | Vibrant Sound Bridge: its mechanism of action, uses, advantages and disadvantages.   | 4+2+2+2 |
| 4.  | a) Classify temporal bone fractures.<br>b) How do we manage it?  | 4+6     |
| 5.  | a) Causes of tinnitus.<br>b) Glomus Jugulare: Investigations and management  | 4+(3+3) |
| 6.  | Various lasers used in otology, their specific uses and complications.   | 4+3+3   |
| 7.  | Etiology, clinical manifestations and management of superior semicircular canal syndrome.  | 2+3+5   |
| 8.  | Etiopathology, clinical features and treatment of Herpes Zoster oticus.  | 3+4+3   |
| 9.  | a) Define otitis media with effusion.<br>b) What are the comorbidities associated with it?<br>c) Enumerate related investigations. | 2+5+3   |
| 10. | Indications and techniques of mastoid obliteration.  | 4+6     |

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