

**OTORHINOLARYNGOLOGY**  
**PAPER – I**

Time: 3 hours  
Max. Marks:100

ENT/J/19/28/I

**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) Embryological development of Otic Labyrinth. 3+4+3  
b) Anatomy of Jugular foramen & its surgical importance.  
c) Anatomy of Dorello's canal and etiopathogenesis of the syndrome associated with it.
2. Clinical features, differential diagnosis and current therapy of Benign Paroxysmal Positional Vertigo (BPPV). 3+4+3
3. Describe the various options to make fenestra during stapes surgery and various prostheses being used with the method of placement. 5+5
4. a) What are the benefits of bilateral cochlear implantation? 4+3+3  
b) Indications of cochlear implantation in adults.  
c) Recent developments in Auditory Brainstem Implants.
5. Describe the approach to the endolymphatic sac, labyrinthectomy and trans-labyrinthine exposure of the internal auditory canal. 4+3+3
6. a) Write a brief note on Oto-endoscopy. What are the advantages and disadvantages of it? (3+4)+3  
b) Management of active squamous chronic otitis media.
7. a) High pressure nervous syndrome in relation to diving. 4+(3+3)  
b) Prevention & management of middle ear barotrauma.
8. Describe minimally invasive second-look combined approach tympanoplasty, and newer applications & innovations. 10
9. a) Topodiagnostic evaluation of facial nerve palsy. 6+4  
b) Vestibular-Evoked Myogenic Potentials.
10. a) What are various factors for choosing topic for research? 4+3+3  
b) What is correlation coefficient?  
c) What is impact factor?

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