

FINAL EXAM
JUNE 2014

NATIONAL BOARD OF EXAMINATIONS

OTO-RHINO-LARYNGOLOGY

PAPER - I

ENT/J/14/28/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.

1. What are oto-acoustic emissions (OAE)? Briefly describe the types of OAE and their clinical applications with special reference to universal neonatal screening for hearing loss. 2+(4+4)
2. What is recruitment phenomenon? Briefly describe the mechanism of recruitment and audiological tests for recruitment. 3+(3+4)
3. Define noise induced hearing loss (NIHL). Briefly describe the aetiopathogenesis of NIHL. Discuss in brief "hearing conservation programme". 2+4+4
4. Define and classify cholesteatoma. Describe with a neat diagram the spread of cholesteatoma. Enumerate the complications of cholesteatoma. 4+3+3
5. What is modified radical mastoidectomy? Briefly discuss the indications and complications of modified radical mastoidectomy. Briefly discuss the various cavity obliteration techniques. 2+4+4
6. What is Bone Anchored Hearing Aid (BAHA)? Discuss the indications for BAHA and surgical techniques of BAHA. 2+(4+4)
7. What is Ototoxicity? Classify ototoxic drugs and briefly discuss their mechanism of action in causation of ototoxicity. 2+(4+4)
8. Describe the audiological evaluation for cochlear implantation. Briefly discuss the surgical techniques of cochlear implantation. 5+5
9. What is Meniere's disease? Briefly discuss its aetiopathogenesis. Give a brief account of its non-surgical and surgical treatment. 2+4+4
10. Write short notes on: 5+5
 - a) Presbycusis
 - b) Meningitis induced hearing loss
