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:
    a) Presbycusis 5+5
    b) Meningitis induced hearing loss

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