

**OTORHINOLARYNGOLOGY**

PAPER – IV

ENT/J/16/28/IV

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 do you understand by 'Organ Preservation Surgery'? 2+(3+3+2)  
b) Its physiological basis, indications & future trends.
2. a) Define 'Image Guided Surgery'. 2+2+6  
b) What are its synonyms?  
c) Its applications in Otorhinolaryngology.
3. a) Enumerate local anesthetic agents used in ENT. 3+7  
b) Their route of administration, maximum dose and side effects.
4. a) Etiology of septic shock? 4+(3+3)  
b) How would you diagnose & manage it?
5. a) What is hypercalcaemic crisis & its association with malignancy? (3+3)+4  
b) Outline its management.
6. Deep Vein Thrombosis: Aetiology, diagnosis & management. 3+3+4
7. a) Define & give principle of 'Intensity Modulated Radiotherapy'. (2+3)+(3+2)  
b) What are its advantages & drawbacks?
8. a) Causes of chronic aspiration. 4+6  
b) How would you manage it?
9. Aetiology, clinical features and principles of management of thyrotoxicosis. 2+3+5
10. a) What is 'Randomized Control Trial' (RCT)? 3+(2+2)+3  
b) Design & types of RCT.  
c) What is blinding?

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