

**OTORHINOLARYNGOLOGY****PAPER-IV**

TIME: 3 HOURS
MAX. MARKS: 100

ENT/D/20/28/IV

IMPORTANT INSTRUCTIONS

- You are provided with 5 answer sheet booklets. Each individual answer sheet booklet consists of 10 pages excluding the covering jackets.
- This question paper consists of 10 short note questions. Question paper is divided into 5 Parts - A, B, C, D and E, each part containing 2 questions.
- Answers to questions of part A, part B, part C, part D & part E are to be strictly attempted in a separate answer sheet booklet which must be later tagged together at the end of the exam.
- No additional supplementary answer sheet booklet will be provided.
- Answers to question(s) attempted on an answer sheet booklet for a different part will not be evaluated.
- Part A/Part B /Part C/Part D/Part E should be mentioned on the covering page of the respective answer sheet booklet.
- 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.



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PART-A

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Write short notes on:

PART-A

1. a) What is fractionation of radiotherapy? 5+5
b) Role of Proton beam therapy in head and neck malignancy.
2. a) Classify the various types of free flaps. 4+3+3
b) Discuss the factors contributing to a compromised flap and the various interventions to improve skin flap survival.



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PART-B

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Write short notes on:

PART-B

3. a) What is the thyroid imaging reporting and data system (TI-RADS) classification and scoring system of thyroid nodules? 5+5
b) Discuss in brief how to approach a case of suspected recurrent thyroid cancer.
4. a) Principle and the equipment required for contact endoscopy. 5+5
b) Role of contact endoscopy in management of oral cancers.



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PART-C

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Write short notes on:

PART-C

5. a) What is the principle of PET-CT? 4+6
b) Indications and limitations of PET-CT in head and neck cancers.
6. a) What is artificial blood? 5+5
b) Discuss the various methods to minimize transfusion reactions.



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PART-D

IMPORTANT INSTRUCTIONS

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PART-D

Write Short notes on:

7. a) Classify wounds based on level of contamination at surgery. 5+5
 b) Source and role of various cytokine/growth factors in wound healing.
- 8 a) Causes of Eustachian tube dysfunction. 2+(2+3+3)
 b) Indications, procedure and complications of Eustachian tube balloon dilation and tuboplasty.



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PART-E

IMPORTANT INSTRUCTIONS

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PART-E

Write short notes on:

9. a) Discuss the various stem cell types. 5+5
b) Describe the potential clinical application of stem cells.
10. a) Classify lymphangiomas of the neck. 4+(3+3)
b) Discuss the various medical and surgical options available for the management of a case of lymphangiomas.
