

FINAL EXAM  
 DECEMBER 2015

NATIONAL BOARD OF EXAMINATIONS

## OTORHINOLARYNGOLOGY

PAPER – IV

ENT/D/15/28/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 are hypersensitivity reactions? 5  
 b) Mechanism of anaphylaxis. 5
2. a) Intrinsic pathway of coagulation. 6  
 b) Pre-operative evaluation for coagulation profile. 4
3. a) What is HAART? 1  
 b) Classify drugs used for treatment of AIDS. 3  
 c) Their merits and demerits. 3+3
4. a) What is cervical necrotizing fasciitis? 1  
 b) Etiology, symptoms, complications and treatment of cervical necrotizing fasciitis. 2+2+2+3
5. (a) Define free tissue transfer. 2  
 (b) What are its advantages as compared to pedicle flap in Head & Neck reconstruction? 8

6.	a) Principles of Functional MRI.	3
	b) What is perfusion functional MRI?	4
	c) Uses of functional MRI in otology.	3
7.	(a) Cell Cycle.	4
	(b) What are the chemotherapeutic targets & their site of action?	3+3
8.	Role of gene therapy in Head & Neck cancers.	10
9.	Management of pain, nausea & vomiting, oral problem, dysphagia, stridor & psychological problem in palliative care.	10
10.	Mechanism of action, antifungal spectrum, mode of administration and toxicity of Amphotericin B.	2+2+2+4

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