# **National Board of Examinations**

Question Paper Name :	DNB Otorhinolaryngology ENT Paper4
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**Is this Group for Examiner?**: No

#### **Enable Mark as Answered Mark for Review and**

**Clear Response:** 

Yes

#### **Question Number: 1 Question Type: SUBJECTIVE**

Define gene therapy. Discuss therapeutic strategies using gene therapy in Head and Neck Cancer. [2+8]

## **Question Number : 2 Question Type : SUBJECTIVE**

Classify chemotherapeutic agents in Head & Neck Malignancy. Discuss monoclonal antibody in Head & Neck Cancers. [5+5]

# **Question Number: 3 Question Type: SUBJECTIVE**

Enumerate biomaterials in ENT. Discuss role of biomaterials in Otology. [4+6]

# Question Number: 4 Question Type: SUBJECTIVE

TNM classification for carcinoma nasopharynx. What is the role of biomarkers in carcinoma of nasopharynx? [4+6]

## **Question Number : 5 Question Type : SUBJECTIVE**

Enumerate the non-technical surgical skills classification. Discuss role of communication and team work for an ENT surgeon. [4+6]

#### **Question Number: 6 Question Type: SUBJECTIVE**

Discuss principle and clinical application of 3D printing technology in ENT & head neck surgery. [5+5]

### **Question Number: 7 Question Type: SUBJECTIVE**

Classify LASER. Discuss principle of LASER. Discuss LASER safety measures in operation theatre. [3+3+4]

## **Question Number: 8 Question Type: SUBJECTIVE**

Enumerate complications of thyroidectomy. Discuss management of hypocalcemia. [4+6]

#### **Question Number: 9 Question Type: SUBJECTIVE**

Enumerate complications of radiotherapy. Discuss role of IMRT in Head and Neck Cancer. [4+6]

### **Question Number: 10 Question Type: SUBJECTIVE**

Enumerate local flaps in facial plastics. Discuss Rhomboid flaps. [10]