

**THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY**

**(MCH 0225)**

**FEBRUARY 2025**

**Sub. Code: 1986**

**M.Ch. – HEAD AND NECK SURGERY**

**PAPER I – BASIC SCIENCES INCLUDING HEAD & NECK  
AND SKULL BASE ANATOMY, PHYSIOLOGY, PATHOLOGY,  
MICROBIOLOGY AND PHARMACOLOGY**

*Q.P. Code: 181986*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Describe the anatomy of the Infratemporal fossa (ITF). Describe the various surgical approaches to the ITF.
2. Describe the role of the Epstein-Barr virus in the pathogenesis of Head and neck cancers.

**II. Write notes on:**

**(10 x 7 = 70)**

1. HPV in oropharyngeal cancer.
2. Milan system for reporting salivary gland cytopathology.
3. Diffusion-weighted magnetic resonance imaging (DWI).
4. Pembrolizumab.
5. Tumour markers as prognostic indicators in Head and Neck cancer.
6. Stereotactic radiotherapy.
7. Elastography.
8. Surgical tumour margins – relevance, classification.
9. Anatomy of the para glottic space.
10. Cell free DNA.

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**THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY**

**(MCH 0126)**

**JANUARY 2026**

**Sub. Code: 1986**

**M.Ch. – HEAD AND NECK SURGERY**

**PAPER I – BASIC SCIENCES INCLUDING HEAD & NECK  
AND SKULL BASE ANATOMY, PHYSIOLOGY, PATHOLOGY,  
MICROBIOLOGY AND PHARMACOLOGY**

*Q.P. Code: 181986*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Describe the clinical anatomy of the Parapharyngeal space and the various surgical approaches.
2. Describe the aetiological factors in Nasopharyngeal carcinoma and outline the pathways of spread.

**II. Write notes on:**

**(10 x 7 = 70)**

1. TNM classification of Maxillary sinus cancer.
2. Tubercle of Zukerkandl.
3. Para glottic space – clinical significance.
4. Recombinant Human TSH.
5. Sentinel lymph node biopsy in Head and Neck cancers.
6. Ultrasound elastography.
7. Medicalization thyroplasty.
8. Levels of medical evidence.
9. Neoadjuvant chemotherapy – role in Head and Neck sarcomas.
10. Nasolabial flap.

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