

QP Code: 101520

Reg. No:

**M.Ch (Head and Neck Surgery) Degree Regular Examinations
August 2022**

Paper I: Basic Sciences

Time: 3 hrs

Max marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay: (20)

1. Describe the surgical anatomy of the Larynx and its embryologic peculiarities. What is its relevance to conservative laryngeal surgery.

Short essays: (8x10=80)

2. Describe the mechanism of HPV driven carcinogenesis.
3. Describe mechanism of action of monoclonal antibodies in chemotherapy.
4. What is the role of PCR in head neck cancer diagnosis.
5. Next generation sequencing and its current role in Head and Neck Cancers.
6. Describe the embryology of the thyroid gland and anatomic basis for lymph node dissection.
7. What are the various survival analysis in oncology. What is the benefit of uni and multivariate analysis.
8. 2 drug versus 3 drug cisplatin based chemotherapy. Discuss its current status in the neoadjuvant role.
9. Brachytherapy in head and neck cancers.
