

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
TELANGANA STATE, WARANGAL – 506 002
POST DOCTORAL FELLOWSHIP EXAMINATIONS: DECEMBER, 2024

HEAD & NECK SURGICAL ONCOLOGY
PAPER–I

Time: 3 Hours.

Max Marks: 100

Note: Answer all questions with neat diagrams whenever necessary
All question carry equal marks.

Write an essay on the following:

10 X 10 = 100

1. Write briefly: (2+2+6)
 - a) Define chemoprevention
 - b) Agents of chemoprevention
 - c) Types of chemoprevention
2. Write briefly on (2+2+2+2+2)
 - a) Mechanism of action of Cetuximab
 - b) Indications of Cetuximab in HNSCC
 - c) Evidence of Cetuximab in HNSCC
 - d) Checkmate 141
 - e) KEYNOTE-040
3. In terminally ill HNSCC patients, list any 5 symptoms experienced by them and their interventions. 5 X 2 = 10
4. Write briefly on: (4+3+3)
 - a) Framework of larynx
 - b) Types of corpectomy
 - c) Conservative laryngeal surgery
5. Write shortly on: (8+2)
 - a) Evolution of neck dissection with rationale
 - b) Current status of Sentinel lymph node biopsy in HNSCC.
6. Osteoradionecrosis (ORN) of Mandible: (2+3+2+3)
 - a) Diagnostic criteria
 - b) Theories of pathophysiology
 - c) Notani's classification
 - d) Management
7. Write briefly on (2+2+2+4)
 - a) Clinical N category (cN) in HPV-Mediated (p16+) Oropharyngeal cancer.
 - b) Pathological N category (pN) in HPV- mediated (p16+) Oropharyngeal cancer.
 - c) P16 Immunohistochemistry.
 - d) Management of HPV- mediated (p16+) Oropharyngeal cancer.

- 8. Write briefly on:** 2+3+5
- a) Prehabilitation in Head & Neck oncology.
 - b) Swallowing rehabilitation.
 - c) Speech rehabilitation after total laryngectomy.
- 9. Define the following:** 2+2+2+2+2
- a) Randomized controlled trial (RCT)
 - b) Meta analysis.
 - c) Systematic review
 - d) Types of data.
 - e) Normal distribution.
- 10. Write briefly on:** 2+2+6
- a) Oncogenomic and proteomics.
 - b) Hereditary conditions predisposing to HNSCC.
 - c) Signalling pathways in head and neck carcinoma.
