

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

HEAD AND NECK SURGICAL ONCOLOGY
PAPER–II

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. Carotid paragangliomas: 2+2+2+2+2
 - a) Histopathology
 - b) Signs and symptoms
 - c) Evaluation
 - d) Classification
 - e) Management
2. Comment on the following: 2+2+2+2+2
 - a) RTOG 91-11 trial
 - b) ORATOR trial
 - c) De-ESCALaTE HPV trial
 - d) TAX 324 trial
 - e) EORTC 22931 and RTOG 9501 trials
3. Marginal mandibulectomy 2+4+2+2
 - a) Rationale and Prerequisites
 - b) Types
 - c) Complications
 - d) Reverse marginal mandibulectomy
4. Radio-active iodine therapy IRAITI in thyroid malignancy 3+3+2+2
 - a) Agent, route of administration and special inpatient care
 - b) Indications and contra-indications
 - c) Mechanism of action
 - d) Complications after RAIT
5. Salivary gland tumors 2+4+2+2
 - a) WHO's histological classification
 - b) Workup
 - c) Indications for adjuvant Radiation therapy
 - d) Role of Chemotherapy
6. Discuss in detail the microvascular free flaps used in head and neck reconstruction in terms of their vascular supply, indications and donor site morbidity.

7. Write briefly on 4+4+2
- a) Patterns of tumor invasion into mandible
 - b) Concept of compartment resection
 - c) Role of PET-CT imaging in oral malignancy
8. Write short notes on 5+5
- a) Unresectable Locally Advanced Head and Neck Cancer (LAHNC)
 - b) Treatment Options for LAHNC
9. Write briefly on 2+2+2+2+2
- a) (CAR)-T cell immunotherapy
 - b) IMRT
 - c) IGRT
 - d) Technetium 99m sestamibi (MIBI)
 - e) Gallium-68 Dotatate PET/CT
10. Write briefly on 2+3+2+3
- a) Videofluoroscopy
 - b) Fiberoptic endoscopic evaluation of swallowing
 - c) Dysphagia/Aspiration-Related Structures (DARS)
 - d) Quality of Life Questionnaires in Head and Neck cancer
