

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
(A DEEMED TO BE UNIVERSITY)

Time : 3 Hrs.

Fellowship in Head & Neck Surgical Oncology
July-2018 Examination

[Max. Marks: 100]

Paper – I

General Principles in Oncology, Radiotherapy, Chemotherapy

Q.P. Code: 7101

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

10 X 10 = 100 Marks

1. Enumerate oncogenes and tumor suppressor genes. Describe the role of P¹⁶ in protecting against carcinogenesis and in HPV induced cancers. Name a few syndromes which pre dispose to cancers. (3+5+2 marks)
2. Describe the anatomy of larynx. With a neat diagram describe the endoscopic anatomy of tracheo bronchial tree.(6+4 marks)
3. Describe the anatomy of tongue. Describe the physiology and neurological control of salivation. Highlight how food is propelled into esophagus during second stage of deglutition. (4+3+3 marks)
4. Describe the principle, drugs used and dosage, adverse reactions and limitations of targeted therapy in Head and neck cancers. Explain the role of tyrosine kinase inhibitors in Head and Neck cancers. (6+4 marks)
5. Explain the principle, advantages and limitations of image guided radiotherapy in Head & Neck. Enumerate Photo sensitizers and radio sensitizers, and highlight their role in diagnostics and therapeutics. (5+5 marks)
6. Draw a labeled diagram showing histology of pleomorphic adenoma. Enumerate the tumor-like conditions in parotid. Trace the extra cranial course of facial nerve. (3+2+5 marks)
7. Describe the anatomy of parapharyngeal space. Enumerate the various parapharyngeal tumors. Add a note on branchial arch anamolies. (4+3+3 marks)
8. Describe the various methods for screening. Write briefly about the only oral cancer screening study performed in india. Add a note on supra vital staining. (4+3+3 marks)
9. Describe the stages of intra epithelial neoplasia. Enumerate the pre cancerous lesions in Head and Neck, and mention the percentage of chances of malignant transformation in them. Define and highlight the features of verrucous carcinoma. (3+3+4 marks)
10. How will you evaluate the response after neoadjuvant chemotherapy in Head and Neck cancers ? Add a note on altered fractionation in Radiotherapy and metronomic chemotherapy. (4+6 marks)

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July-2018 Examination

Paper – II

Head & Neck Surgery, Reconstructive Surgery

Q.P. Code: 7102

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

10 X 10 = 100 Marks

1. Enumerate and describe the management of oral precancerous lesions. What is the role of curcumin in these lesions? Add a note on the awareness and government policies against oral cancer over the past decade. (6+2+2 Marks)
2. Describe the indications, principles, limitations and complications of near total laryngectomy. Enumerate the other voice saving procedures in locally advanced laryngeal cancers and mention their pre requisites. (7+3 Marks)
3. Describe the extent of resection in various selective neck dissections. Highlight where they can be used. Define elective neck dissection. Briefly discuss the land mark study comparing elective neck dissection with therapeutic neck dissection (if required) in early oral cancers resected transorally. (5+1+4 Marks)
4. Describe the approaches to a deep lobe tumor of parotid. Enumerate the land marks for facial nerve. How will you repair a branch sacrificed during parotidectomy. (3+4+3 Marks)
5. Draw a diagram showing histology of hodgkin's lymphoma. List out the combinations for chemotherapy in lymphomas. Describe Ann Arbor staging. (3+5+2 Marks)
6. Enumerate the various axial flaps and microvascular free tissue transfer in head and neck reconstruction. Mention where each of them is used. Highlight their advantages, pre requisites and disadvantages. (4+2+4 Marks)
7. Describe the role and applications of contact endoscopy and narrow band imaging in head and neck cancers. Describe the various types of Laser resections in laryngeal cancers. (5+5 Marks)
8. Describe the etiology, clinical features, staging and management of squamous carcinoma maxilla. (1+2+2+5 Marks)
9. Describe the evaluation and management of solitary thyroid nodule. Highlight the role of PET scan and Dotonac imaging in thyroid cancers. (7+3 Marks)
10. Classify melanomas. Explain how you will manage a basal cell carcinoma over dorsum of nose. (2+8 Marks)

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