

M.D. DEGREE EXAMINATION
BRANCH IX – RADIO THERAPY**PAPER II – GENERAL PRINCIPLES OF RADIOTHERAPY**
INCLUDING RADIOBIOLOGY AND ONCOLOGY*Q.P. Code: 202036***Time: Three Hours****Maximum: 100 Marks****I. Elaborate on:** (2 x 15 = 30)

1. Management of soft tissue sarcoma with special reference to brachytherapy. Discuss the various systems of interstitial brachytherapy. Discuss the suitability of interstitial implant for soft tissue sarcoma and describe the technique and dose prescription as per HDR.
2. List types of pituitary adenoma. Discuss the indications and various techniques of treatment of pituitary adenoma with suitable diagram.

II. Write notes on: (10 x 7 = 70)

1. Staging and Management of melanoma of dorsum of left middle toe.
2. ABS guidelines for ideal brachytherapy application. What is ICRU 89?
3. What are the parts of Mediastinum? Name the tumour types seen in each of them.
4. Role of radiotherapy in Wilm's tumour along with technique and dose prescription
5. Write notes on the clinical features, diagnosis, pathology and management of Radiation Proctitis
6. Indications for radiotherapy of carcinoma parotid. Discuss the radiotherapy technique for adenoid cystic carcinoma of parotid.
7. Role of Prophylactic Cranial Irradiation
8. What are the types of Set up Errors? Explain in detail the occurrence of these errors in various steps of radiotherapy planning.
9. Management of well differentiated thyroid cancers
10. Immobilization in radiotherapy
