

[LS 142]

NOVEMBER 2020
(OCTOBER 2020 SESSION)
M.D. DEGREE EXAMINATION
BRANCH IX – RADIO THERAPY

Sub. Code: 2037

**PAPER III – CLINICAL PRACTICE AND TECHNIQUE OF
RADIOTHERAPY**

Q.P. Code: 202037

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. How will you manage a 35-year-old diagnosed to have carcinoma uterine cervix stage IB.? What are the complications of pelvic irradiation and how will you manage them?
2. A 16-year-old boy from North East part of India presenting with epistaxis, following evaluation diagnosed to have undifferentiated carcinoma nasopharynx T3N2M0. Discuss the management.

II. Write notes on:

(10 x 7 = 70)

1. Involved Field Radiotherapy (IFRT) and Involved Site Radiotherapy (ISRT) in the management of Hodgkin's Lymphoma
2. Barium Swallow
3. What are the methods of APBI in practice? What are the patient selection criteria for APBI?
4. Describe how anatomy and lymphatic drainage plays an important role in radiation treatment planning? Exemplify it with treatment of "glottic carcinoma".
5. Twelve-year-old girl presenting with symptoms of raised intracranial tension. MRI shows a mass lesion in the region of pineal gland. How will you proceed with the management of the child?
6. HPV and oropharyngeal cancers
7. How will you proceed with evaluating a 55-year-old smoker diagnosed to have Secondaries in liver?
8. Discuss the radiobiological rationale for altered fractionation schedules
9. How will you select a patient with brain metastases for Stereotactic Radio Surgery?
10. Risk grouping of Meningioma and its radiation therapy management based on risk grouping
