

[LQ 142]

AUGUST 2020  
(MAY 2020 SESSION)

Sub. Code: 2037

**M.D. DEGREE EXAMINATION  
BRANCH IX – RADIO THERAPY**

**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. Molecular classification of medulloblastoma. How do you risk stratify medulloblastoma and explain its importance in management? Explain with suitable diagram the radiation therapy techniques.
2. Discuss the aetiology classification, evaluation of testicular tumour and management of seminoma and radiotherapy techniques.

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

1. Role of immunohistochemistry and molecular typing in the diagnosis of lung cancers. Discuss the management of T2N1M0 limited stage small cell carcinoma of lung.
2. Management of non-metastatic Ewing's sarcoma of left distal Femur in a 16-year-old girl.
3. Role of radiation therapy in localised Rhabdomyosarcoma of left maxillary region in a 2-year-old child.
4. Radiotherapy techniques and prescription for Craniopharyngioma
5. List the benign lesions treated with radiotherapy. Discuss in detail management of one of the benign lesions.
6. Mammogram
7. Toxicity grading in head and neck radiotherapy. List the management of grade III mucositis. What is the role of advanced techniques in reducing toxicity in head and neck radiotherapy?
8. WHO step ladder in pain management. Discuss the tools available for monitoring pain.
9. Radiation therapy technique for locally advanced inoperable carcinoma of head of pancreas
10. Define tumor lysis syndrome. Discuss management of tumor lysis syndrome

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