

[LQ 143]

AUGUST 2020
(MAY 2020 SESSION)

Sub. Code: 2038

M.D. DEGREE EXAMINATION

BRANCH IX – RADIO THERAPY

**PAPER IV – CANCER CHEMOTHERAPY AND RECENT DEVELOPMENTS
IN CLINICAL ONCOLOGY AND RADIOTHERAPY**

Q.P. Code: 202038

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Give an account of the predisposing factors and diagnostic evaluation of hepatocellular carcinoma. Discuss in detail treatment modalities available for hepatocellular carcinoma
2. Define SBRT (Stereotactic Body Radiotherapy). List the indications. Discuss the role of SBRT in lung cancer.

II. Write notes on:

(10 x 7 = 70)

1. Indications of Total Body Irradiation (TBI). Discuss the technique, dose and precautions to be taken while planning TBI.
2. Discuss Stereotactic RadioSurgery (SRS) treatment for AV malformation with special mention of its radiobiological basis.
3. Metronomic chemotherapy
4. Tomotherapy
5. Optimum duration of hormonal therapy in hormone positive breast cancer with evidence
6. Infectious etiology for cancer
7. Role of PET in Lung cancer
8. Personalised radiation therapy
9. Management of CNS Lymphoma
10. Surface mould
