

[LE 1518]

APRIL 2014

Sub. Code: 3026

**DIPLOMA IN MEDICAL RADIO THERAPY (DMRT) EXAMINATION
GENERAL PRINCIPLES OF RADIOTHERAPY INCLUDING
RADIOBIOLOGY AND ONCOLOGY**

Q.P. Code :343026

Time : Three Hours

Maximum : 100 marks

I. Elaborate on:

(2X15=30)

1. Discuss the role of Brachytherapy in the management of Malignancy.
2. Describe the radiobiological basis of oxygen enhancement Ratio.

II. Write notes on:

(10X7=70)

1. Describe the treatment of Small Cell Lung Cancer.
2. Describe the management of Mediastinal mass.
3. Describe the Significance of tumor markers.
4. Describe the management of Bone Secondaries.
5. Describe the role of Radiation in Fibromatosis.
6. Describe the Management of recurrent Gliomas.
7. Describe the basis Chemoradiation.
8. Describe the Radioablation in cancer management.
9. Describe the Radiation Reactions in Pelvic cancers.
10. Describe the basis of Oblique Fields in radiation.
