

QP CODE: 202018

Reg. No.....

Second Year B.Sc MRT Degree Examinations February 2017

RADIOTHERAPY I

Time: 3 Hours

Total Marks:100

- **Answer all questions**

Essays: (3x10=30)

1. Describe the management of cancer oesophagus with special emphasis on radical radiotherapy.
2. Describe the radical radiotherapy treatment of a child 6 years old with medulloblastoma.
3. How will you treat a 45 years old female Ca cervix patient with radiation therapy. Mention the brachytherapy techniques also

Short notes: (8x5=40)

4. Treatment of benign conditions with radiotherapy
5. Altered fractionation
6. Management of Rectal Cancers.
7. Classification of Brachytherapy based on Dose rate and Types of Brachytherapy.
8. Dental care in radiotherapy
9. Investigations,work up and pattern of spread in breast cancer.
- 10.Stochastic & Nonstochastic effects.
- 11.Radiotherapy adverse effects.

Answer briefly: (10x3=30)

- 12."ridium 192.
- 13.Particle beam radiation
- 14.Brain stem tolerance dose
- 15.LET
- 16.Brachytherapy in Ca penis
- 17.Techniques of radiotherapy suitable in lung cancer
- 18.Hemi body radiation
- 19.TNM staging
- 20.Management of oral radiation mucositis
- 21.Mention the different radio protectors.
