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**B.Sc. IN RADIATION THERAPY TECHNOLOGY
(BRTT)**

Term-End Examination

December, 2015

**BAHI-039 : RADIOTHERAPY PROCESS AND
CONVENTIONAL TECHNIQUES**

Time : 3 hours

Maximum Marks : 70

- Note :** (i) Attempt *any five* questions from **Part A**. Each question carries 8 marks.
- (ii) **Part B** consist of *one* question which is **compulsory**. It carries 30 marks.

PART-A

Answer **any five** questions :

1. Explain the use of imaging modalities in planning treatment for R.T. 8
2. Explain Basic Nursing procedures for patient care and emergency situations arises in Radiotherapy. 4+4=8
3. Explain errors involved during immobilization and positioning procedures of cancer patients. 8
4. List the isotopes used in brachytherapy mention their forms and clinical use. 4+4=8
5. What is needed before planning radiotherapy treatment ? 8

6. Explain the principles of radiotherapy planning. 8
7. Detailed note on emergency RT for spinal cord compression. 8

PART-B

8. Write short notes on **any five** of the following : **5x6=30**
- (a) CT simulation
 - (b) Electronic portal imaging devices
 - (c) Gating
 - (d) Boluses
 - (e) Informed consent
 - (f) RTP documentation and verification
 - (g) Side effects of RT
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