

B.Sc. in Radiation Therapy Technology (BRTT)

Term-End Examination

December, 2011

00349

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

Time : 3 hours

Maximum Marks : 70

PART - A

Write short notes on *any six* of the following each
carries 5 marks. **5x6=30**

1. Wedges
2. SSD and SAD technique
3. 3D conformal and IMRT treatment
4. Quality assurance in radio therapy
5. Gaf chromic film
6. Immobilisation devices used in Radio therapy departments.
7. Portal imaging
8. Complications and reactions during and after the treatment for carcinoma of maxillary antrum
9. Radiosensitive Tumours.

PART - B

Answer any **four** of the following. Each carries
ten marks. **10x4=40**

1. Describe the treatment technique for carcinoma of prostate using linac, and care during treatment.
 2. Give few examples where wedge is used for treatment purpose and describe in detail the planning and treatment of one such site.
 3. Describe the treatment option and technique for a patient having carcinoma cervix stage IIIrd.
 4. Describe in detail about ICRU.
 5. How will you manage pollution and radiation hazards ?
 6. How will you manage pediatric patient having wilms tumour ? Explain the treatment technique using cobalt 60 machine.
 7. Explain the treatment technique for carcinoma of upper oesophagus using linear accelerator and HDR brachy therapy procedure.
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