

**B.Sc. IN MEDICAL IMAGING TECHNOLOGY  
(BMIT)**

**Term-End Examination  
December, 2013**

**BAHI-057 : QUALITY ASSURANCE AND  
RADIATION PROTECTION IN RADIOLOGY**

*Time : 3 hours*

*Maximum Marks : 70*

---

**PART-A**

Attempt *any five* questions. Each question carries  
*8 marks.* **5x8=40**

1. Describe the radiation safety measures of x-ray room.
2. What measures you will take for radiation safety for female patient ?
3. Describe the Dose reduction efforts.
4. Write the full form of AERB, BARC, PMS, RSO, \_\_\_\_\_ and write the important role played in your department by each of them. Answer in short.
5. Name the usual subjective and objective mistakes happen in x-ray room and write the corrective steps for each of them.

6. Describe the Rules and Regulation for radiation protection.
7. Make a quality assurance report in general for radiological equipment.

### **PART-B**

Write short notes on *any five* of the following questions. Each question carries *six* marks. 5x6=30

1. Radiation safety officer ,its eligibility.
2. Name the various shielding devices used for patient and radiological department workers.
3. Quality Assurance in Mammographic equipment, prepare a report.
4. Factors contributing for good Image Quality.
5. Ethical issues involved for Indian women patients.
6. Radiation protection measures, devices for pregnant women patient.
7. Preventive maintenance.
8. Name the radiation measurement devices.

---