

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

Term-End Examination

June, 2015

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

Time : 3 hours

Maximum Marks : 70

Note : Attempt any five questions. From Part-A each question carries 8 marks. Part-B consists of one question which is compulsory, it carries 30 marks.

PART - A

Attempt any five questions. Each question carries 8 marks.

1. What are the different Personal Monitoring Devices. Describe one of them. 2+6=8
2. Discuss the steps taken for Radiation Protection, while working on Mobile Equipment. (Mobile x-ray Machine) 8
3. Enumerate various test tools, contained in Quality Assurance Kit. Describe one of them. 8
4. Describe congruency of optical field and Radiation field Quality Assurance Test. 8

5. Write about Radiation Protection for Adult Patients. 8
6. Write a short note on Survey Meter. 8
7. Explain the possible method of Radiation Protection. 8

PART - B

8. Write short notes on **any five** of the following questions. Each carries **six** marks. **5x6=30**
 - (a) Quality Assurance in 500 MA machine.
 - (b) Lead Protective Barriers.
 - (c) Evaluation of TLD Badge.
 - (d) Annual Dose limit.
 - (e) Define with Units
 - (i) Exposure
 - (ii) Dose
 - (iii) Effective Dose.
 - (f) Radiation Hazards.
 - (g) Fundamentals of Radiation Protection
 - (h) Methods of Radiation Protection in Diagnostic Department.
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