

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

Term-End Examination

December, 2014

**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. Describe the Methods by which Exposure from the Equipment can be reduced to Desired level/ Requist level. 8
2. What measures you will take for Radiation safety for Paediatric Patients ? 8
3. Write in Brief about the Installation of Radiographic Equipment. 8
4. Describe the Radiation Survey of X-ray Machine. 8

5. What are Minimum Possible Method of Protection ? 8
6. Discuss the Radiation Protection in Fluroscopic Procedures. 8
7. What are Various Devices used for Reducing the Radiation Exposure of Radiation Workers. Discuss any one of them. 8

PART - B

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

- (a) Effective Dose (Sv)
 - (b) Occupational Exposure of Women
 - (c) Dose Monitoring Devices
 - (d) RSO
 - (e) Radiation Hazards
 - (f) Principle of ALARA
 - (g) AERB Regulation
 - (h) BARC approved lay out plan of X-ray room
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