

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

Term-End Examination

December, 2015

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

Time : 3 hours

Maximum Marks : 70

*Note : There are nine questions. Attempt **any six** questions.
Question No. 9 is **compulsory**.*

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| 1. | Name the various Radiation Protection devices used in X-ray room. | 8 |
| 2. | Describe the procedures adopted in Quality Assurance for MRI Machine. | 8 |
| 3. | Describe about the majors for routine maintenance of X-ray Machine. | 8 |
| 4. | Describe about the Quality Assurance for X-ray Generator. | 8 |
| 5. | Describe the rules and regulation for Radiation Protection in Radiology Department. | 8 |
| 6. | What are the Personal Radiation Protection devices ? Describe one of your choice. | 8 |

7.	Discuss the Quality Assurance in Film Processor.	8
8.	Comment on Radiation Safety Survey.	8
9.	Write short note on any five :	
(a)	What do you understand by Radiobiology ?	6
(b)	Difference between Quality Assurance and Quality Control Method.	6
(c)	Acceptance testing of Machine.	6
(d)	Reject Analysis.	6
(e)	Factors affecting the Quality of Images in manual processing.	6
(f)	Log and Record Maintenance.	6
(g)	What are the Dose Reduction Strategies ?	6
(h)	Radio Protection for young male patient.	6
