

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

Term-End Examination

June, 2016

00206

**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.

1. Describe in detail about Quality Assurance in comparison to Quality Control. 8
2. Describe the quality assurance procedure for Computed Tomography. 8
3. Describe the measures for Routine Maintenance of Mammography machine. 8
4. Name the safe measures commonly used for operating radiological equipments. 8
5. What do you understand by Acceptance Testing ? Write a note on it. 8

6. Explain the AERB safety code for medical diagnostic X-ray installation. 8
 7. Discuss the mandatory AERB approval for radio diagnostic centres. 8
 8. What are diagnostic reference levels ? Discuss. 8
 9. Write short notes on any *five* of the following : $5 \times 6 = 30$
 - (a) Quality Assurance in Display Monitors 6
 - (b) Performance Test for Quality Assurance 6
 - (c) Radiation Protection for young female patients 6
 - (d) Radiation Safe Layout for X-ray Room 6
 - (e) Equipment Selection Phase 6
 - (f) Log Maintenance 6
 - (g) Record Maintenance 6
 - (h) Shielding Requirements for OPG Machine 6
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