

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

**Term-End Examination**

**December, 2011**

**BAHI-054 : CARE OF PATIENTS FOR RADIO  
DIAGNOSTIC PROCEDURES**

*Time : 3 hours*

*Maximum Marks : 70*

**PART - A**

Attempt *any five* questions : Each question carries  
8 marks. **8x5=40**

1. Classify the contrast agents used in radiological practice. Which contrast will you prefer for i.v. contrast in CT examinations and why ?
2. Enumerate the drugs and equipment you will maintain in the emergency tray/room of the radiology department.
3. Mention the instructions given to a patient by you for the following examinations :
  - (a) IVP
  - (b) Barium enema
  - (c) USG abdomen

4. Explain the preparation of a patient for CT scan of whole abdomen, what precautions you will take during the procedure ?
5. What is HSG ? What precautions are taken before HSG is done ? Explain the procedure of HSG in brief.
6. Enumerate the types of contrast media used for G.I.T. Comment upon the Indications and contra-Indications for use of barium sulphate.
7. Explain the complications of use of contrast media and role of radiographer in management of contrast reactions.

**PART - B**

8. Explain the patient preparation and procedural precautions taken during these procedures. **6x5=30**

(Attempt *any five*)

- (a) Barium enema
  - (b) Intra Venous Urography.
  - (c) CT angiography
  - (d) Barium meal follow through
  - (e) MR Imaging.
  - (f) Per operative cholangiography
  - (g) Pelvic ultrasound
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