

**B.Sc. RADIOLOGY IMAGING TECHNOLOGY /  
RADIO DIAGNOSIS TECHNOLOGY  
SECOND YEAR**

**PAPER III – CONTRAST & SPECIAL RADIOGRAPHY PROCEDURES**

*Q.P. Code: 801813*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Define Intravenous urography. What are all the indications, contraindications and preparation required for IVP? Describe the advantages and disadvantages of CT urography and MR urography.
2. a) Write about classification of contrast media.  
b) Ultrasound contrast media.  
c) Indication for water soluble contrast media in GIT.
3. Discuss about the use of barium in children (Various barium studies in children).

**II. Write notes on:**

**(8 x 5 = 40)**

1. Write about non-ionic monomers and dimers used in diagnostic radiology.
2. Write about indications and techniques of CT myelogram.
3. Double contrast enteroclysis.
4. Percutaneous transhepatic cholangiography.
5. Venography.
6. Micturating cysto urethro graphy.
7. Single contrast barium enema.
8. Complications of femoral artery catheterization (due to contrast media and technique)

**III. Short answers on:**

**(10 x 3 = 30)**

1. MR colonography.
2. CT angiography.
3. ERCP.
4. Anterior urethro graphy.
5. MR and CT splenoportogram.
6. Colostomy enema.
7. CT enteroclysis.
8. Indications for barium swallow.
9. Retrograde pyelourethrography.
10. Sialogram.

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