

**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. Discuss in detail about the construction and applications of image intensifier.
2. Name the various available contrast studies for evaluation of gastrointestinal tract and discuss in detail about the double contrast barium enema study.
3. Name few drugs used in the evaluation of gastrointestinal tract studies and discuss about the advantage, disadvantage and complications of these drugs.

II. Write notes on:

(8 x 5 = 40)

1. Contrast agents in MRI.
2. Write short notes on barium swallow.
3. Evacuating proctography.
4. Micturating cystourethrography.
5. T tube cholangiogram.
6. Vasography.
7. Enteroclysis.
8. Contrast enema in neonates : indications, patient preparation and techniques.

III. Short answers on:

(10 x 3 = 30)

1. Fistulogram.
2. Patient prone for adverse drug reactions.
3. Atomic no of iodine and barium.
4. Retrograde ileogram.
5. Lumbar Myelography.
6. Safe period for HSG.
7. Contrast-induced nephropathy.
8. Hypotonic duodenography.
9. Shoulder arthrography.
10. Nephrogenic system fibrosis.
