

[LH 0815]

AUGUST 2015

Sub.Code :1813

**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 the construction of image intensifier and techniques to reduce the radiation dose in fluoroscopy.
2. Name the various available barium studies for evaluation of gastrointestinal tract and discuss in detail about the double contrast barium meal study.
3. Classification of iodinated contrast agents and discuss about adverse effects of water soluble intravenous contrasts.

II. Write notes on:

(8 x 5 = 40)

1. Contrast agents used in MRI.
2. Write short notes on barium swallow.
3. Evacuation proctography.
4. Endoscopic retrograde cholangio pancreatography.
5. Indications and contra-indications of ascending urethrogram.
6. Lumbar myelography.
7. Enteroclysis.
8. Duties of technologist during contrast reaction.

III. Short answers on:

(10 x 3 = 30)

1. Atomic number of iodine and barium.
2. ALARA.
3. Loopogram.
4. Dacryocystography.
5. Difference between single and double contrast barium study.
6. Safe period for HSG.
7. Contrast-induced nephropathy.
8. T-tube cholangiogram.
9. Retrograde ileogram.
10. Nephrogenic system fibrosis.
