

B.Sc. RADIOLOGY IMAGING TECHNOLOGY
(New Syllabus 2014-2015)

SECOND YEAR

PAPER III – CONTRAST & SPECIAL RADIOGRAPHY PROCEDURES

Q.P. Code: 801833

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Write the classification of contrast media and write in detail about the contrast media used in MRI.
2. Discuss barium meal examination under the following heading
 - a) Contrast media
 - b) Indications
 - c) Contra indications
 - d) Preparation of patient
 - e) radiographic position
 - f) Complication and after care
3. Discuss in detail hysterosalpingography.

II. Write notes on:

(8 x 5 = 40)

1. Discuss in brief commercially available ultrasound contrast media.
2. Short notes in GIT contrast in CT.
3. Single contrast Barium enema.
4. Bronchography.
5. Lymphangiogram.
6. Compare percutaneous transhepatic cholangiography and endoscopic retrograde cholangiography.
7. Filming technique, equipment, radiation protection and contraindications of compression in excretory urography in children.
8. Preoperative radiography in orthopedics.

III. Short answers on:

(10 x 3 = 30)

1. What is treitz ligament? Describe shortly its role in enteroclysis.
2. Compare methyl cellulose DC and Air double contrast.
3. Special views taken in IVP for
 - a) Visualising lower ureter
 - b) Calculi in cyst
 - c) Renal ptosis
4. Immediate complications following intravenous contrast.
5. Invertogram.
6. Virtual Colonoscopy.
7. Catheters used in angiography.
8. Renal angiogram.
9. MR contrast media.
10. Ascending Uretherogram.
