

**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[LR 1220]**

**DECEMBER 2020  
(AUGUST 2020 EXAM SESSION)**

**Sub. Code: 1413**

**DIPLOMA IN RADIOLOGY IMAGING TECHNOLOGY  
SECOND YEAR – (Regulation from 2010-2011)  
PAPER III – CONTRAST AND SPECIAL RADIOGRAPHY PROCEDURES  
Q.P. Code: 841413**

**Time: Three Hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. What are the types of MR contrast media? What are Hepatobiliary specific contrast agents and when are they used? Outline MR enterography.
2. Barium Swallow-indications, contraindications patient preparation, procedures and radiography views when do you use Gastrograffin instead of Barium?
3. Lumbar Myelography.

**II. Write notes on:**

**(10 x 5 = 50)**

1. CT Cisternogram.
2. Hypotonic Duodenography.
3. Ascending Urethrography.
4. Oral Cholecystogram.
5. Vesiculography.
6. Adverse reactions of Contrast medium.
7. Ureteric compression.
8. Barium Enteroclysis Procedures, indication and contraindication.
9. Mammographic views.
10. Retrograde Pyelogram.

**III. Short answers on:**

**(10 x 2 = 20)**

1. 10 day Rule.
2. Seldinger Technique.
3. Benefits of Fluoroscopy in Contrast procedures.
4. Contrast induced Nephropathy.
5. Tomogram.
6. After care for Myelography patients.
7. Uses of compression paddles in Barium meal follow through.
8. Defecogram.
9. Contrast used in HSS.
10. Short notes on Sialography.

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