

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

**[AHS 0423]**

**APRIL 2023**

**Sub. Code: 1433**

**DIPLOMA IN RADIOGRAPHY AND IMAGING TECHNOLOGY  
SECOND YEAR – (Regulation 2018-2019 onwards)  
PAPER III – CONTRAST & SPECIAL RADIOGRAPHY PROCEDURES  
Q.P. Code: 841433**

**Time: Three Hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Explain in detail about T-tube Cholangiography.
2. Lumbar Myelography –Indications, contra-indications, patient preparation, procedure along with Radiographic views and after care.
3. Barium Swallow – indications, contra-indications, patient preparation, procedure along with film sequences and after care.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Explain the Sialography procedure.
2. Explain the Cystogram technique and radiographic views.
3. Write a note on contrast agents used in MRI.
4. Explain percutaneous Trans Hepatic Biliary Drainage.
5. Write a note on high risk factors of ionic contrast media.
6. Write a note on functions of fluoroscopy and how does it is useful in radiology?
7. Write note on GIT contrast in CT.
8. Discuss in detail about the Enteroclysis procedure.
9. Write note on Retrograde Pyelogram.
10. Write a note on complications of Hypotonic Duodenography.

**III. Short answers on:**

**(10 x 2 = 20)**

1. What is the purpose of Slow administration of Contrast medium in IV Cholangiogram?
2. Define Fluoroscopy and its uses in contrast procedure.
3. Write the bowel washing techniques for Barium Enema.
4. Post procedural care for Bacium Studies.
5. Linear and Circular Tomography.
6. What are the advantages on Non-ionic IV Contrast?
7. What are the indications and contra-indications for MCU?
8. What is Ten day rule?
9. Write two examples of Double Contrast Study.
10. Give a note on – Opposing Urethrogram.

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