

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

**[AHS 0122]**

**JANUARY 2022**

**Sub. Code: 1433**

**(FEBRUARY 2021 & AUGUST 2021 EXAM SESSION)**

**DIPLOMA IN RADIOGRAPHY AND IMAGING TECHNOLOGY**

**SECOND YEAR – (Regulation from 2018-2019)**

**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. Construction of Image Intensifier, applications and advantages.
2. Barium Enema : Indications/ Contra indications, Preparation of patient, Procedure, contrast media, routine & additional views, complications and after care.
3. Write a notes on a) Sinogram and b) Sialography.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Duodenography.
2. Double contrast study in Barium procedures.
3. Gastrografin swallow – Indications and advantages.
4. Distal Loopogram.
5. Voiding Urethrogram.
6. Radiation safety accessories used while doing Fluoroscopy.
7. Tomographic principles.
8. Purpose of Ureteric compression in IVU.
9. Adverse reactions of Contrast medium.
10. Lumbar Myelogram.

**III. Short answers on:**

**(10 x 2 = 20)**

1. OPG X-Ray.
2. Routine views taken in Barium Meal study.
3. Routine Views taken in Barium Enema procedure.
4. Hypotonic Duodenography.
5. Cervical Myelogram.
6. RGP.
7. Advantages of Image intensifier.
8. DSA.
9. Renal Angiogram.
10. Common Contrast Reactions.

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