

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

[AHS 1022]

OCTOBER 2022

Sub. Code: 2511

**M.Sc. RADIOGRAPHY AND IMAGING TECHNOLOGY
SECOND YEAR (From 2019-2020 & 2020-2021 onwards)
PAPER I – RADIOLOGICAL AND IMAGING PROCEDURES**

Q.P. Code : 282511

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Mention the properties of ideal Barium preparation. How will you prepare Barium solution/suspension in the procedure room? What are indications, Contra indications for Barium enema? Describe double contrast barium enema procedure.
2. Define Micturating Cystourethrogram (MCU). Indications in adult and pediatric patients. Explain procedure and exposure technique in adult and pediatric patients. What are the complications of the procedure?

II. Write notes on:

(10 x 6 = 60)

1. Patient preparation and procedure of Intravenous urogram.
2. Ascending urethrogram.
3. Contrast agents for gastrointestinal tract in CT and MRI.
4. Barium swallow.
5. Lymphangiogram.
6. Percutaneous trans hepatic cholangiography.
7. Adverse reactions of iodinated contrast media.
8. CT – Pulmonary angiography.
9. Catheters used in interventional radiology.
10. Dacryocystography.
