

[LP 1019]

OCTOBER 2019

Sub. Code: 1811

**M.Sc. RADIOLOGY AND IMAGING TECHNOLOGY EXAMS
SECOND YEAR
PAPER I – RADIOLOGICAL AND IMAGING PROCEDURES**

Q.P. Code : 281811

Time: Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. What are the properties of an ideal barium preparation? What are commercially available barium formulations? How will you prepare barium suspension in radiology room? Describe the preparation, single contrast study, double contrast study techniques in barium meal study.
2. What is hysterosalpingogram? Describe the indications, contraindications, equipment, patient preparation and technique used. What are the complications expected?

II. Write notes on:

(10 x 6 = 60)

1. Double contrast barium enema.
2. Micturating cystourethrogram.
3. Percutaneous transhepatic cholangiography.
4. CT enteroclysis.
5. Retrograde urethrography.
6. Sialography.
7. Classify contrast media. What are the adverse reactions of iodinated contrast media.
8. Preparation and procedure for intravenous urography.
9. Lymphangiogram.
10. Virtual colonoscopy.

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

[AHS 0321]

MARCH 2021

Sub. Code: 1811

(OCTOBER 2020 EXAM SESSION)

M.Sc. RADIOLOGY AND IMAGING TECHNOLOGY

SECOND YEAR (From 2017-2018 onwards)

PAPER I – RADIOLOGICAL AND IMAGING PROCEDURES

Q.P. Code : 281811

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. What is intravenous urography? Describe the indications, contraindications, contrast media used. Write about nephrotomogram and modifications of urogram.
2. Define barium enema. Write about contrast media used, patient preparation and positions. Describe SCBE, DCBE and special barium enema studies.

II. Write Short Notes on:

(10x6 = 60)

1. Angiography.
2. MR contrast media.
3. Hysterosalpingography.
4. Enteroclysis.
5. T - Tube cholangiography.
6. Retrograde pyeloureterography.
7. Sialography.
8. Mammography.
9. Barium meal follow through.
10. What is PET? Write about its principle, uses and limitations.
