

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

[AHS 0522]

MAY 2022

Sub. Code: 2503

**M.Sc. RADIOGRAPHY AND IMAGING TECHNOLOGY  
FIRST YEAR**

(Candidates admitted from 2019-2020 onwards – Paper III)

(Candidates admitted from 2020-2021 onwards – Paper IV)

**PAPER III & IV – RADIOGRAPHIC AND IMAGING TECHNIQUES**

*Q.P. Code : 282503*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate notes on:**

**(2 x 20 = 40)**

1. Briefly explain in detail about the various Radiographic Techniques and views for Acute Abdomen.
2. Describe in detail PA & lateral chest radiographic imaging.
  - a) Explain how the exposure factors need to be modified in a 5year old boy and a 25 year old lady.
  - b) Discuss the preferred special views for the following.
    - i) left small pneumothorax in an ambulant patient and in a very sick patient.
    - ii) Suspected lesion in right lung apex masked by the clavicle

**II. Write Short Notes on:**

**(10x6 = 60)**

1. Pelvimetry.
2. Radiographic views in case of suspected fracture of cervical spine.
3. Strykers view.
4. Plain radiographic evaluation of suspected foreign body with children.
5. Waters and Reverse waters view.
6. Different views for Calcaneum.
7. Mammographic techniques and positioning.
8. How do you evaluate trapezium and Scaphoid?
9. Write about high KV and Low KV techniques.
10. Radiation protection during radiography.

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