

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

[AHS 0321]

**MARCH 2021**

**Sub. Code: 2503**

**(OCTOBER 2020 EXAM SESSION)**

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

**FIRST YEAR (From 2019-2020 onwards)**

**PAPER III – 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. Explain in detail the different views in spine imaging.
2. Describe the different techniques for obtaining abdominal radiographs:
  - a) Discuss the preferred views in a patient with suspected intestinal obstruction, when Patient is ambulant and also in very sick patient?
  - b) Discuss the techniques to demonstrate suspected pneumoperitoneum in the same Patient groups as above.

**II. Write Short Notes on:**

**(10x6 = 60)**

1. Carpel tunnel view
2. Soft tissue radiography.
3. Dental radiography.
4. Brief Forensic Radiography
5. Patellar imaging.
6. Different views for Calcaneum
7. Mammographic techniques and positioning
8. Radiographic techniques for suspected pneumothorax
9. Basic views for imaging wrist.
10. Macro radiography

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

**[AHS 0222]**

**FEBRUARY 2022  
(OCTOBER 2021 EXAM SESSION)**

**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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**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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