

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

[AHS 0321]

MARCH 2021

Sub. Code: 1846

(AUGUST 2020 EXAM SESSION)

B.Sc. RADIOGRAPHY AND IMAGING TECHNOLOGY

SECOND YEAR (Regulation 2018-2019)

PAPER I – CLINICAL RADIOGRAPHY POSITIONING

Q.P. Code : 801846

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Discuss about various views taken in a shoulder xray series including special views
2. Radiography imaging in spine injuries with the precaution to be taken.
3. Discuss about various views taken in a paranasal sinus xray series for sinusitis.

II. Write notes on:

(8 x 5 = 40)

1. Plain radiographic imaging of suspected parotid calculus.
2. Plain radiographs for suspected nasal bone fracture
3. Different views for Calcaneus.
4. Explain Swimmer's View.
5. Apical Lordotic View.
6. Mammography techniques and positioning.
7. Basic views for imaging wrist.
8. Radiographic procedure in developmental dysplasia of HIP.

III. Short answers on:

(10 x 3 = 30)

1. Plain radiographic evaluation in suspected right ventricular enlargement
2. Backer's Tray.
3. Judet View
4. Xray KUB – techniques and positioning.
5. Techniques for imaging sternum.
6. Radiographic techniques for imaging soft tissue of the neck.
7. Patella tangential view.
8. Dunn view for Hip.
9. Invertogram.
10. Orthopantomography – Techniques and positioning.

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

[AHS 0222]

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

Sub. Code: 1846

**B.Sc. RADIOGRAPHY AND IMAGING TECHNOLOGY
SECOND YEAR (Regulation 2018-2019)
PAPER I – CLINICAL RADIOGRAPHY POSITIONING
*Q.P. Code : 801846***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Describe in detail the technique of radiography of the elbow when
 - a) Full range of motion is present.
 - b) When there is a fixed flexion deformity.
2. Describe in detail the technique of radiography of the skull, when
 - a) Patient has had trauma.
 - b) When there is a fracture in the floor of the Orbit.
3. Radiographic imaging in spine injuries. Also add a note on the precautions to be followed during radiographic evaluation of such patients.

II. Write notes on:

(8 x 5 = 40)

1. Write about various techniques of soft tissue radiography.
2. Briefly explain about tangential projection and its uses.
3. Write about tube shifting in stereo radiography.
4. Stryker's view.
5. Discuss about conventional mammography – positioning and techniques.
6. Radiographic imaging to demonstrate Bennetts fracture.
7. High kV technique.
8. MCU.

III. Short answers on:

(10 x 3 = 30)

1. Teleroentgenography.
2. Submento Vertical View.
3. Intra-oral Periapical Radiography.
4. Autotomogram.
5. Backer's Tray.
6. Radiographic techniques for suspected pneumothorax.
7. Radiographic techniques for orbital imaging in trauma.
8. Various views and techniques of imaging knee.
9. X-Ray KUB – techniques and positioning.
10. Techniques for imaging sternum.

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

[AHS 0922]

SEPTEMBER 2022

Sub. Code: 1846

(FEBRUARY 2022 & AUGUST 2022 EXAM SESSIONS)

B.Sc. RADIOGRAPHY AND IMAGING TECHNOLOGY

SECOND YEAR (Regulation from 2018-2019)

PAPER I – CLINICAL RADIOGRAPHY POSITIONING

Q.P. Code : 801846

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Describe in detail AP and Lateral hip radiography imaging.
 - a) In a case of Hip dysplasia.
 - b) Fracture in the neck of femur.
2. Explain the C arm usage in
 - a) Ortho operation theatre.
 - b) Urological theatre procedure.
3. Describe about mammography.

II. Write notes on:

(8 x 5 = 40)

1. Write notes on the projection to rule out foreign body penetration in hand.
2. Explain axial forearm in contact view.
3. Bed side radiography.
4. Views for shoulder joint.
5. Towne's view.
6. Write about high KV and Low KV techniques.
7. Routine chest radiography positioning.
8. How will you evaluate pulmonary apices?

III. Short answers on:

(10 x 3 = 30)

1. Radiographic techniques for imaging rib fractures.
2. Sella view.
3. Techniques of orthopantamography.
4. Anthonson's view.
5. Radiographic techniques for imaging soft tissue of the neck.
6. Centering of upper limb bones and joints.
7. Swimmers techniques.
8. Split cassettes.
9. Views and techniques of subtalar joint.
10. Patella tangential view.

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

[AHS 0423]

APRIL 2023

Sub. Code: 1846

**B.Sc. RADIOGRAPHY AND IMAGING TECHNOLOGY
SECOND YEAR (Regulation 2018-2019 onwards)
PAPER I – CLINICAL RADIOGRAPHY POSITIONING
*Q.P. Code: 801846***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Cervical Spine Series.
2. Explain Panoramic and Cephalometric views.
3. Acute Abdominal Series.

II. Write notes on:

(8 x 5 = 40)

1. Water's view.
2. Any two views of Mandible.
3. Pneumothorax vs hemothorax views.
4. Stryker notch view.
5. Zanca View of Clavicle.
6. Rosenberg view.
7. Flexion and Extension view of Lumbar spine.
8. X-ray for Age determination of 12.

III. Short answers on:

(10 x 3 = 30)

1. Pediatric positioning devices.
2. 10 day rule.
3. Spot compression view.
4. Endotracheal tube check X-ray.
5. Radiation Safety for Technicians.
6. Triage.
7. Crash Cart.
8. KVP for Fiberglass cast, thin cast and hard cast.
9. Caudal Vs cranial tilt.
10. Rule of 15 in kVp.

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

[AHS 0424]

APRIL 2024

Sub. Code: 1846

B.Sc. RADIOGRAPHY & IMAGING TECHNOLOGY
SECOND YEAR (Regulation 2018-2019 onwards)
PAPER I – CLINICAL RADIOGRAPHY POSITIONING
Q.P. Code: 801846

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on: **(3 x 10 = 30)**

1. Radiographic Imaging in spine injuries with the precaution to be taken.
2. Briefly explain about soft tissue Radiography.
3. Explain views in chest Radiography.

II. Write notes on: **(8 x 5 = 40)**

1. Tube shifting in stereo Radiography.
2. Bed side radiography.
3. Radiography Views for sternum with techniques.
4. Skyline view.
5. Different projection for zygomatic arch – techniques – position.
6. View to demonstrate both hip joints.
7. Axial view of calcaneum.
8. Basic views of mandible.

III. Short answers on: **(10 x 3 = 30)**

1. Mortis view.
2. Oblique view of Hand.
3. Rosenberg view.
4. Judet View.
5. Sun rise method.
6. Orthopantomography – Techniques and positioning
7. Sella view.
8. Swimmers techniques.
9. AP view of sacrum.
10. Gonad shielding.

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

[AHS 1125]

NOVEMBER 2025

Sub. Code: 1846

**B.Sc. RADIOGRAPHY & IMAGING TECHNOLOGY
SECOND YEAR (Regulation 2018-2019 onwards)
PAPER I – CLINICAL RADIOGRAPHY POSITIONING
*Q.P. Code: 801846***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on: **(3 x 10 = 30)**

1. Write in detail all the views of imaging of skull.
2. Explain in detail with reference to aim, indication and choice of machine and exposure factors involved in the Radiography of Chest.
3. Describe about Caldwell method and revised Caldwell method.

II. Write notes on: **(8 x 5 = 40)**

1. Skyline view.
2. Explain Bedside Radiography.
3. Orthophantomogram.
4. Spot compression and spot magnification view in Mammography.
5. Exposure factors involved in thoracic spine.
6. Carpal Tunnel view.
7. Bitewing Radiography.
8. Dorsal decubitus view.

III. Short answers on: **(10 x 3 = 30)**

1. Ten-day rule.
2. How to position for Judet's view?
3. Define Pillars view.
4. Define Stenver's Radiography.
5. Why is airgap technique used?
6. What is soft tissue Radiography?
7. What is Frog leg view?
8. What is ankle mortise view?
9. How to position for Swimmer's view?
10. Low kV technique.
