

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 1123]

NOVEMBER 2023

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. 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.
2. Describe the different techniques to demonstrate the knee joint radiographs.
 - a) Loose body within the Knee joint.
 - b) Torn medial meniscus.
 - c) Osgood – Schlatter’s disease.
3. Describe in detail the Radiography of shoulder joint.

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

1. Chest lateral view.
2. Types of equipments in dental radiography.
3. Lateral view of skull.
4. Axial view of calcaneum.
5. Carpel tunnel view.
6. View to demonstrate clavicle.
7. Water’s view.
8. Towne’s view.

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

1. Transaxial view.
2. Radiographic techniques in suspected fracture neck of femur.
3. Orthopantomography – Techniques and positioning.
4. Breast specimen Radiography techniques.
5. Frog leg view.
6. Lateral projections of Thumb.
7. Various views for mandible.
8. Positioning in dislocation of the elbow.
9. Pelvimetry.
10. 28 day rule.
