

[LH 0415]

OCTOBER 2015

Sub. Code: 3603

DIPLOMA IN RADIOLOGY & IMAGING TECHNOLOGY
(Regulation for candidates admitted from 2014-2015 session onwards)
PAPER III – CLINICAL RADIOGRAPHY AND DARK ROOM TECHNIQUES

Q.P. Code : 363603

Time : Three hours

Maximum : 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. Write about the structure of single and double emulsion X-RAY films.
2. Recommended projections used in imaging lumbar vertebra and lumbo sacral joint.

II. Write notes on:

(10 x 6 = 60)

1. Projection used in supra condylar fracture.
2. Describe about the developer and fixing agents.
3. Thoracic inlet.
4. Image quality.
5. Intercondylar notch (tunnel view).
6. Fracture of neck of femur.
7. Silver recovery.
8. Frog leg projection.
9. Pars inter-articularis.
10. Construction of intensifying screen.

[LJ 1016]

OCTOBER 2016

Sub. Code: 3603

P.G. DIPLOMA IN RADIOLOGY & IMAGING TECHNOLOGY EXAMS
PAPER III – CLINICAL RADIOGRAPHY AND DARK ROOM
TECHNIQUES

Q.P. Code : 363603

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail construction of conventional X-ray cassette with intensifying screens.
2. Radiographics views, techniques for the evaluation of spine injuries. Discuss about the safety measures during radiography.

II. Write notes on:

(10 x 6 = 60)

1. Grid and its types.
2. X-ray abdomen.
3. Frog leg view.
4. Testing of light leakage in X-ray cassettes.
5. Cleaning of X-ray cassettes.
6. Replenisher.
7. Ball catchers view.
8. Cones and its uses.
9. Invertogram.
10. Arte facts in X-ray films.

[LL 1017]

OCTOBER 2017

Sub. Code: 3603

P.G. DIPLOMA IN RADIOLOGY & IMAGING TECHNOLOGY EXAMS
PAPER III – CLINICAL RADIOGRAPHY AND DARK ROOM
TECHNIQUES

Q.P. Code : 363603

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Grids.
2. Various hip joint and shoulder joint views.

II. Write notes on:

(10 x 6 = 60)

1. Calcaneal view.
2. X-ray cervical spine.
3. X-ray acute abdomen.
4. T tube cholangiography.
5. High Kv technique.
6. Film processing.
7. Intensifying screen.
8. Barium.
9. Iodinated contrast material.
10. TR, TE values.

[LN 1018]

OCTOBER 2018

Sub. Code: 3603

P.G. DIPLOMA IN RADIOLOGY & IMAGING TECHNOLOGY EXAMS
PAPER III – CLINICAL RADIOGRAPHY AND DARK ROOM
TECHNIQUES

Q.P. Code : 363603

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe in detail about dark room procedure.
2. Imaging of traumatic and pregnant patients.

II. Write notes on:

(10 x 6 = 60)

1. Intensifying screens.
2. Film process techniques.
3. Various spine views.
4. Views of orbit.
5. Invertogram.
6. Safe light.
7. Hip joint views.
8. Ball catchers view.
9. Various views of chest.
10. Planning of X-ray room.

[LO 0519]

MAY 2019

Sub. Code: 3603

**P.G. DIPLOMA IN RADIOLOGY & IMAGING TECHNOLOGY EXAMS
PAPER III – CLINICAL RADIOGRAPHY AND DARK ROOM
TECHNIQUES**

Q.P. Code : 363603

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe about skeletal survey.
2. Radiography in operating theatre.

II. Write notes on:

(10 x 6 = 60)

1. Detail about Townes view.
2. Expiration technique.
3. Swimmers lateral view.
4. Radiography in the neonatal unit.
5. Formation of Latent image.
6. Cleaning of cassette.
7. Film Hanger.
8. Knee-Notch view.
9. Fixing agent.
10. Types of cassette.

[LP 1019]

OCTOBER 2019

Sub. Code: 3603

P.G. DIPLOMA IN RADIOLOGY & IMAGING TECHNOLOGY EXAMS
PAPER III – CLINICAL RADIOGRAPHY AND DARK ROOM
TECHNIQUES

Q.P. Code : 363603

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Detail about construction of dark room.
2. Explain the use of contrast agents and its administration.

II. Write notes on:

(10 x 6 = 60)

1. Technique and positioning of Mastoids.
2. Orthopantogram.
3. Detail about high Kv Technique for chest X-ray.
4. Invertogram.
5. Grid and its types.
6. Anthosen view.
7. Mammogram views and technique.
8. X-ray cassette – structure and function.
9. Radiographic image contrast.
10. Scooty Dog view.

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

[AHS 0321]

MARCH 2021

Sub. Code: 3603

(OCTOBER 2020 EXAM SESSION)

POST GRADUATE DIPLOMA IN RADIOLOGY & IMAGING TECHNOLOGY

(From 2014-2015 onwards)

PAPER III – CLINICAL RADIOGRAPHY AND DARK ROOM TECHNIQUES

Q.P. Code : 363603

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Explain in detail the layers and their functions in single coated emulsion film.
2. Various views of skull radiography.

II. Write Short Notes on:

(10x6 = 60)

1. Radiography in operation theatre.
2. Dental X-ray techniques
3. Types of Intensifying screens
4. Quantum mottle.
5. Special X- ray views for knee joint
6. Dark room safe light.
7. Structure of X-ray cassette.
8. Waters and Caldwell views for paranasal sinuses
9. Replenisher solutions.
10. Advantages of automatic processor.

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

[AHS 0921]

**SEPTEMBER 2021
(MAY 2021 EXAM SESSION)**

Sub. Code: 3603

**POST GRADUATE DIPLOMA IN RADIOLOGY & IMAGING TECHNOLOGY
(From 2014-2015 onwards)
PAPER III – CLINICAL RADIOGRAPHY AND DARK ROOM TECHNIQUES
*Q.P. Code : 363603***

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Basic and special views of chest radiography.
2. Define film contrast and various factors that affect film contrast.

II. Write Short Notes on:

(10x6 = 60)

1. Computed radiography cassette.
2. Applications of single coated films.
3. X-ray views of mandible.
4. Pediatric radiography.
5. X-ray film artefacts.
6. Grid.
7. T- tube cholangiography.
8. Double exposure technique.
9. Contrast reactions.
10. Developer solution.
