

Certificate In X § Ray Technician

Each Paper of 900 Marks

Figures in the brackets indicating no. of Lectures

Medium: - English

Course contents §

Paper I § Anatomy

Human Skeleton

Upper & lower Limb, Skull, Vertebral Column & Thorax

Systems

Digestive, Reproductive, Urinary, Respiratory, Circulatory, Central Nerves System,

Paper II Darkroom & Fundamentals Of X-Ray

Darkroom

Criteria & Purpose of Darkroom

Exposure of film, Entrance to Darkroom

Safety of darkroom, Safety of darkroom light, X-ray film with its structure

Care of X-ray film-Cassette-Screen

Film holders intensifying screen

Film processing-Developing Fixing rinsing washing drying store keeping record

Keeping

Preparation of solution-Developer Fixer

Fundamentals Of X-ray

EM

Radiations, X-Ray tube, properties of X-Ray in diagnostic

Radiology, other fundamental properties of X-Rays.

Accessories § X-Ray film, Cassettes with intensifier screens.

Stationary and moving grids, Body section radiographic equipments.

Fluoroscopic screen and fluoroscope. Image intensifier.

Other ancillary items of X-Ray equipment § Shutter mechanism, Filtration

USE of radiation protection devices.

Fundamental geometry of image formation and interpretation.

(Image Sharpness, Image distortion, Image magnification.

Film Identification § land markers, General terms and concepts in diagnostics radiology

Paper III § Positioning & Radiography

Section §A

Radiographic positioning §

Upper extremity, lower extremity, vertebral column and spinal cord.

Respiratory system, mediastinum and the heart, Skull radiography

Section §B

GIT radiography, Barium studies–swallow, meal follow through, enema,

Hysterosalpingography, Intravenous pyelography, Sialography, Sinography.

Practical § 300 Marks

Paper I § Anatomy

Spot §	(20)	80 Marks
Fill in the Blanks	(90)	20 Marks
Journal		20 Marks
Viva		20 Marks

Total 900 Marks

Paper II Darkroom & Fundamentals Of X-Ray

Spot §	(20)	80 Marks
Fill in the Blanks	(20)	20 Marks
Viva		20 Marks

Total 900 Marks

Paper III § Positioning & Radiography

Spot	20 Marks
Positioning Practical + writing	80 Marks
Journal	20 Marks
Viva	20 Marks
Total	900 Marks
