

Radiology M.D/ DMRD (Radio Diagnosis)

POST GRADUATE DEGREE STANDARD

UNIT I

RADIO PHYSICS
BASIC CONCEPTS
PRODUCTION OF X-RAYS
INTERACTION OF RADIATION WITH MATTER
RADIATION DETECTION AND MEASUREMENT
RADIOGRAPHY
FLUOROSCOPY
SPECIAL RADIOGRAPHY
COMPUTED TOMOGRAPHY
ULTRASONOGRAPHY
MAGNETIC RESONANCE IMAGING
NUCLEAR IMAGING
RADIATION PROTECTION
PICTURE ARCHIVING AND COMMUNICATION SYSTEM

UNIT II

GENERAL RADIO DIAGNOSIS
BONES AND JOINTS
THE RESPIRATORY SYSTEM
THE CARDIOVASCULAR SYSTEM
THE GASTROINTESTINAL TRACT
THE UROGENITAL TRACT
ENT: EYES, TEETH, SOFT TISSUES
THE CENTRAL NERVOUS SYSTEM

UNIT III

PEDIATRIC RADIOLOGY
THE SKULL, SPINE AND CENTRAL NERVOUS SYSTEM
THE NECK AND RESPIRATORY SYSTEM
THE HEART AND GREAT VESSELS
THE ABDOMEN AND GASTROINTESTINAL TRACT
THE GENITOURINARY TRACTS AND RETROPERITONEUM
BONES AND JOINTS
THE NEONATE AND YOUNG INFANT

PAPER-II

UNIT I

ULTRASONOGRAM AND DOPPLER

UNIT II

CT SCAN (SPIRAL & 3D)

UNIT III

MRI

UNIT IV

NEUCLEAR MEDICINE & POSITRON EMISSION TOMOGRAPHY

UNIT V

ANGIOGRAPHY, DSA AND INTERVENTIONAL RADIOLOGY

UNIT VI

RADIOLOGICAL PROCEDURES