Paper ID- 251

POST GRADUATE EXAMINATION, JANUARY-2025

MD RADIODIAGNOSIS

(PAPER ONE)

[Time allotted: Three hours] **[Max Marks: 100]**

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Discuss blood supply of brain with suitable diagrams. Write radiological differentiation between ICA and ECA. **(20)**

Q. 2. Enumerate imaging methods for heart. Discuss Radionuclide myocardial perfusion imaging in detail. **(20)**

Q. 3. Describe briefly: **(3 x 10 = 30)**

- **a.** CT shoulder Arthrography
- **b.** USG transducer with diagrams
- **c.** PACS

Q. 4. Write short notes on: **(5 x 6 = 30)**

- **a.** Radioactive waste management
- **b.** TRUS
- **c.** Radiation hazards and protection
- **d.** Prenatal diagnostic techniques and procedures
- **e.** MR Angiography

X

Paper ID- 252

POST GRADUATE EXAMINATION, JANUARY-2025

MD RADIODIAGNOSIS

(PAPER TWO)

[Time allotted: Three hours] **[Max Marks: 100]**

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Role of CT Imaging in Pancreatitis. **(20)**

Q. 2. Discuss the portal hypertension; its radiological diagnosis and interventional therapy. **(20)**

Q. 3. **Describe briefly:** **(3 x 10 = 30)**

a. Imaging Renal transplant patient

b. Pulmonary lesions in SARS- CoV -2 infection

c. LIRADS

Q. 4. **Write short notes on:** **(5 x 6 = 30)**

a. Transoesophageal echocardiography

b. MR Lymphangiography

c. Wilms Tumour

d. Penile Doppler

e. Imaging in renovascular hypertension

X

Paper ID- 253

POST GRADUATE EXAMINATION, JANUARY-2025

MD RADIODIAGNOSIS

(PAPER THREE)

[Time allotted: Three hours] **[Max Marks: 100]**

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Describe in detail importance of X-ray of both hands including forearms as an index of systemic diseases. **(20)**

Q. 2. How will you investigate a case of unilateral exophthalmos? **(20)**

Q. 3. Describe briefly: **(3 x 10 = 30)**

a. Differential diagnosis of "ring enhancing lesions" of the brain

b. MRI in malignant breast lesions

c. Role of Skeletal Radiography in estimation of bone age

Q. 4. Write short notes on: **(5 x 6 = 30)**

a. Features of surface osteosarcomas.

b. Differential diagnosis of intramedullary bony neoplasm.

c. Osseous spectrum of Neurofibromatosis

d. Differential diagnosis of solitary dense vertebra

e. Arnold Chiari malformation

X

Paper ID- 254

POST GRADUATE EXAMINATION, JANUARY-2025

MD RADIODIAGNOSIS

(PAPER FOUR)

[Time allotted: Three hours] **[Max Marks: 100]**

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Radiological evaluation of 45 yr patient with massive hemoptysis. Suggest possible intervention to control it. **(20)**

Q. 2. Discuss about extra axial lesions of brain. Write in detail the role of spectroscopy in brain tumors. **(20)**

Q. 3. Describe briefly: **(3 x 10 = 30)**

a. Diffusion-Perfusion mismatch

b. Susceptibility weighted imaging

c. Medicolegal issues in Diagnostic Radiology

Q. 4. Write short notes on: **(5 x 6 = 30)**

a. Radiofrequency ablation

b. Intraoperative ultrasound

c. Precautions during radiological procedures in HIV positive patients

d. Renal Isotope imaging

e. CT guided neurolysis in pain management

X