Rajiv Gandhi University of Health Sciences, Karnataka

Post-Graduate Diploma Examination – 26-May-2025

[Time: 3 Hours] [Max. Marks: 100]

DIPLOMA IN MEDICAL RADIO DIAGNOSIS (D.M.R.D)

PAPER – I (RS-2/RS-3)

Q.P. CODE: 7131

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

Answer All The Questions 10 X 10 = 100 Marks

1. Air-Gap Technique.
2. Radiological anatomy of the Retroperitoneum.
3. Radiographic features of rheumatoid arthritis.
4. Rectifiers.
5. Write short notes on:
   a. ALARA principle
   b. Radiological Anatomy of Adrenals
   c. DISH
   d. Relationship between KVP and MAS.
6. Salter Harris fractures.
7. Solitary pulmonary nodule.
8. Describe various components of CT scanner and write the generations of CT scanner.
9. Magnetization transfer in MRI imaging.
10. Identification of bronchopulmonary segments in frontal and Laternal chest radiographs.

Post-Graduate Diploma Examination – 28-May-2025

[Time: 3 Hours] [Max. Marks: 100]

Diploma in Medical Radio Diagnosis (D.M.R.D)

PAPER – II (RS-2/RS-3)

Q.P. CODE: 7132

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

Answer All The Questions 10 X 10 = 100 Marks

1. Define obscure gastro-intestinal bleed. Enumerate causes and MDCT findings. Discuss role of interventional radiology in management of patients with obscure GI bleed
2. Discuss the role of imaging in evaluation of paediatric liver masses
3. Imaging approach to 30 year old female with acute right iliac pain
4. TIPSS – indications, procedure, contraindications and follow up
5. Radiological interventions in management of early HCC
6. Enumerate pre-malignant conditions of GIT. Describe imaging features of small and large bowel malignancies
7. Describe the technique of CTPA (CR-pulmonary angiography). Discuss in detail the role of a radiologist in management of a suspected case of pulmonary thromboembolism
8. Classification of aortic dissection. Describe imaging findings on CT. Discuss interventions in management of aortic dissection
9. Define Chylous Ascites. Role of imaging and interventions in a patient with Chylous Ascites
10. Imaging and interventions in deep vein thrombosis

Rajiv Gandhi University of Health Sciences, Karnataka

Post-Graduate Diploma Examination - 30-May-2025

[Time: 3 Hours] [Max. Marks: 100]

DIPLOMA IN MEDICAL RADIO DIAGNOSIS (D.M.R.D)
PAPER – III (RS-2/RS-3)
Q.P. CODE: 7133

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

Answer All The Questions 10 X 10 = 100 Marks

1. Imaging approach to adrenal incidentalomas
2. Imaging approach in evaluation of a mass in the lumbar region in neonatal and paediatric age group
3. Discuss the role of imaging and management of male infertility
4. What are the causes of haematuria? Describe the imaging approach in a case of haematuria
5. Enumerate the common sites of Ectopic pregnancy. Discuss the role of imaging in management of patients with ectopic pregnancy
6. Enumerate causes of sub-arachnoid haemorrhage (SAH). Discuss the imaging approach and endovascular management
7. Discuss the imaging approach to various causes of ring enhancing lesions of the brain
8. Imaging of Grave's ophthalmopathy
9. Classify renal tumours in adults. Describe the imaging findings in malignant renal tumours
10. Describe the imaging feature of Juvenile Nasopharyngeal Angiofibroma. Discuss the role of interventional radiology

Post-Graduate Diploma Examination – 24/Sep/2025

[Time: 3 Hours] [Max. Marks: 100]

DIPLOMA IN MEDICAL RADIO DIAGNOSIS (D.M.R.D)
PAPER – I (RS-2/RS-3)
Q.P. CODE: 7131

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

Answer All The Questions 10 X 10 = 100 Marks

1. Explain in detail the radiation protection followed in radiography, Fluoroscopy and CT scan rooms.
2. Describe the technique of MR spectroscopy. Discuss its applications in various CNS pathologies.
3. Classification of skeletal dysplasias. Write the radiological features of Mucopolysaccharidosis.
4. Write short notes on:
   a. Pitch in MDCT
   b. Characteristic Radiation
   c. Ten (10 day) rule
   d. Non Ionic Dimers
5. Describe the radiological anatomy of esophagus. Discuss the radiological investigations of esophagus.
6. Discuss the pathophysiology of various kinds of Pulmonary collapse and their imaging evaluation.
7. Describe radiological features of Ankylosing Spondylitis.
8. Hepatobiliary scintigraphy.
9. Describe the modern X-ray Tube and properties of X-rays that are made used in medical radiology.
10. Photoelectric effect.

Rajiv Gandhi University of Health Sciences, Karnataka

Post-Graduate Diploma Examination – 26/Sep/2025

[Time: 3 Hours] [Max. Marks: 100]

Diploma in Medical Radio Diagnosis (D.M.R.D)
PAPER – II (RS-2/RS-3)
Q.P. CODE: 7132

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

Answer All The Questions 10 X 10 = 100 Marks

1. Enumerate the causes of pneumoperitoneum with peritonitis in a 30-year-old patient. Describe the findings which can be seen in supine abdominal radiograph in a case of pneumoperitoneum. Discuss CT findings in bowel is ischemia due to acute SMV thrombosis.
2. What are the various causes of bilateral adrenal masses? Characteristic features in different imaging modalities in two such causes?
3. Imaging and intervention in aortic dissection
4. Total anomalous pulmonary venous drainage
5. What is Eisenmenger syndrome? Enumerate the conditions that may produce this syndrome. Discuss its Key radiological features.
6. Necrotising enterocolitis
7. Technique to evaluate the stomach and imaging features of stomach malignancies
8. CT features of liver trauma and discuss role of intervention in this
9. a) Von meyenburg complex b) imaging features of fibro lamellar HCC
10. Endocrine tumours of pancreas

Post-Graduate Diploma Examination - 29/Sep/2025

[Time: 3 Hours] [Max. Marks: 100]

DIPLOMA IN MEDICAL RADIO DIAGNOSIS (D.M.R.D)
PAPER – III
Q.P. CODE: 7133

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

Answer All The Questions 10 X 10 = 100 Marks

1. Discuss the cross –sectional anatomy of retroperitoneum and describe in detail primary retroperitoneal tumours
2. Discuss the role of imaging and management of female infertility
3. Describe radiology and imaging features in tuberculosis of Genito-urinary tract
4. Enumerate the causes of bleeding in first trimester and discus their imaging features
5. Imaging approach to a stroke. Discuss endovascular management
6. Describe the imaging findings and differential diagnosis of unilateral proptosis
7. Imaging approach to cystic lesions of mandible
8. Imaging approach to spinal canal tumours. Discuss differential diagnosis and imaging features of Extradural lesions
9. Describe the radiological features of hyperparathyroidism
10. Imaging evaluation of CSF Rhinorrhoea. Discuss the technique and complications of CT Cisternogram