Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination - 07-Jul-2023

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

RADIO DIAGNOSIS
PAPER – I (RS-2/RS-3)
Q.P. CODE: 7461

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 Physical Principles in 2D Doppler and Colour Doppler Sonography. Add a note on ultrasound contrast agents.
2. Describe the anatomy and physiology of bone. What are the causes for osteoporosis? How do you investigate a case of osteoporosis?
3. Physical principles of Digital Radiography.
4. Role of imaging in internally deranged knee.
5. Role of PET CT in skeletal malignancy.
6. Write briefly on biological hazards of Radiation.
7. Write briefly about anatomy coronary circulation.
8. Principles and clinical applications of Diffusion Weighted Imaging.
9. Ultrasound image artifacts.
10. Scintigraphy evaluation of gastro-intestinal bleeding.

M.D. Degree Examination – 10-Jul-2023

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

RADIO DIAGNOSIS - PAPER – II
(RS-2/RS-3)
Q.P. CODE: 7462

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 posterior mediastinal masses. How will you approach a case of posterior mediastinal mass?
2. Describe procedure and technique of double contrast barium meal. Discuss differentiating features of benign vs malignant gastric ulcers on barium studies.
3. Ulcerative colitis vs Crohn's.
4. Cholangiocarcinoma.
5. Enumerate congenital lesions of pancreas and discuss imaging features of the same.
6. Explain segmental anatomy of liver. Role of imaging in a case of liver transplant.
7. Role of imaging in splenic trauma.
8. Discuss in detail about radiological approach to adrenal mass lesion.
9. Imaging features of mesenteric carcinoid tumor.
10. Enumerate occupational lung diseases and discuss imaging in asbestosis.

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 12-Jul-2023

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

RADIO DIAGNOSIS - PAPER – III

(RS-2/RS-3)

Q.P. CODE: 7463

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. Describe the anatomy of male urethra. Write in detail about posterior urethral valve.
2. Enlist key features of PCPNDT ACT.
3. Write in detail about imaging features of ectopic pregnancy.
4. Imaging features of Tetralogy of Fallot.
5. Write short notes on amniocentesis and chorionic villous sampling.
6. Discuss the causes of renal transplant rejection and its imaging features.
7. Discuss cardiac views in fetal echocardiography and its clinical application.
8. Imaging features of Testicular tumors.
9. Imaging features of Ovarian torsion.
10. Imaging features of Wilms tumor.

Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 14-Jul-2023

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

RADIO DIAGNOSIS - PAPER – IV

(RS-2/RS-3)

Q.P. CODE: 7464

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. Classify various orbital tumours. Describe radiological features of tumours affecting the eyeball (globe).
2. Patient presents with unilateral proptosis. Discuss the differential diagnosis and briefly describe the radiological features
3. Classify spinal tumours. Discuss differential diagnosis & radiological features of extradural spinal tumours
4. Cerebral lymphoma.
5. Craniosynostosis
6. Endovascular management of intracranial aneurysm.
7. Chordoma.
8. Post traumatic sequelae in brain.
9. Discuss the differential Diagnoses of Dural based lesions.
10. MRI in cerebral tuberculoma.

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 16-Dec-2023

Time: Three Hours | Max. Marks: 100 Marks

RADIO DIAGNOSIS
PAPER – I (RS-2/RS-3)
Q.P. CODE: 7461

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. MR contrast media.
2. Digital mammography.
3. HIRSCHSPRUNG'S DISEASE
4. Sono Elastography.
5. Filters used in Diagnostic Radiology.
6. Embryology and radiological anatomy of Pancreas.
7. ELORA.
8. NT Scan.
9. Personnel dosimetry.
10. MR fluoroscopy.

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M.D. Degree Examination - 18-Dec-2023

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

RADIO DIAGNOSIS - PAPER – II
(RS-2/RS-3)
Q.P. CODE: 7462

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. Describe imaging features of gastrointestinal lymphoma.
2. Imaging features of hemangioma of liver.
3. MDCT in small bowel obstruction.
4. Imaging of Solitary Pulmonary Nodule.
5. Pulmonary Manifestations in Immunocompromised patients.
6. Discuss role of imaging in abdominal trauma.
7. Cystic neoplasms of pancreas.
8. Write short notes on:
   a. Pulmonary sequestration
   b. Imaging features in acute appendicitis
9. Enumerate the causes of lower GIT bleed and discuss the role of radiology in evaluation of lower GIT bleed.
10. Discuss the role of radiologist in management of Jaundice in an adult patient.

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 20-Dec-2023

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

RADIO DIAGNOSIS - PAPER – III

(RS-2/RS-3)

Q.P. CODE: 7463

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. Classify congenital anomalies of kidney. Describe imaging features of fusion anomalies of kidney.
2. Describe the technique of amniocentesis. Mention the indications and complications of amniocentesis.
3. Describe the indications, contraindications, procedure and complications of Bronchial Artery Embolization.
4. How will you do lower Limb Venogram? Mention the radiological findings of lower Limb Venogram in various conditions.
5. Write short notes on:
   a. Testicular torsion
   b. Doppler findings in Portal hypertension
   c. Fetal death
   d. Enlargement of left Atrium
6. Describe role of radiology in mitral valve disease
7. How will you investigate the case of Coarctation of Aorta?
8. Radiological evaluation of renal artery stenosis.
9. Radiological evaluation of Malignant Ovarian Mass.
10. Write short notes on:
    a. Intussusception
    b. Cholecystitis
    c. Achalasia cardia

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 22-Dec-2023

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

RADIO DIAGNOSIS - PAPER – IV

(RS-2/RS-3)

Q.P. CODE: 7464

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. Classify the cystic lesion of the Jaw. Describe the imaging features of each type of Cystic Lesion with neat diagram.

2. Write briefly on Etiopathogenesis of proptosis. Classification, imaging modalities with radiological findings.

3. Pathophysiology of different types of hyperparathyroidism. Imaging findings of primary type of hyperparathyroidism.

4. Describe the brief anatomy of sell turcica. Enumerate various sellar and parasellar masses, imaging modalities. Discuss the imaging features of craniopharyngioma.

5. Virtual endoscopy.

6. Imaging of HIV manifestations of CNS.

7. Holoprosencephaly.

8. Classify tumor of the spinal canal and cord. How do you investigate?

9. MR myelogram.

10. Imaging in multiple sclerosis.

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