Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 29-Jul-2021

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. What is maximum permissible dose? Describe the methods of radiation protection to the patient and staff in Diagnostic radiology.
2. Discuss imaging anatomy of knee joint.
3. Write short notes on:
   a. Electromagnetic Radiation.
   b. Image Intensifier
   c. Characteristic Curve of An X-ray Film
   d. Rectification
4. What is Scintigraphy? Mention how thyroid scintigraphy is done.
5. Basic principles and applications of MDCT. How does it differ from conventional first eneration CT scanner?
6. Discuss the differential diagnosis and radiological features of seronegative spondyloarthropathies.
7. Write short notes on:
   a. Piezoelectric effect
   b. Carpal tunnel
   c. Doppler Physics
   d. Sialography
8. Discuss basic principles of MRI and write about MRI artifacts.
9. Describe the differential diagnosis and radiological features of a tumor at the lower end of femur in an 18-year-old individual.
10. MR Urography versus CT Urography.

Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 31-Jul-2021

[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 anterior mediastinal masses. Role of imaging in anterior mediastinal masses.
2. Describe embryology of gut rotation and radiological features of malrotation of midgut.
3. MRCP Vs ERCP in biliary imaging.
4. Role of imaging in hepatic trauma.
5. Classify cystic neoplasms of pancreas and discuss role of imaging.
6. Discuss the imaging features of local splenic lesions and add a note on wandering spleen.
7. Imaging in adrenal pheochromocytoma.
8. Types of lung sequestration. Discuss imaging features in detail.
9. Imaging features of cirrhosis of liver and portal hypertension.
10. Imaging features of pseudomyxoma peritonei.

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M.D. Degree Examination – 02-Aug-2021

[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. Doppler findings in Late Onset IUGR.
2. Role of MRI in Ovarian Tumours.
3. Megaureter.
4. Cardiac Rhabdomyomas.
5. Cystic Renal Tumours.
6. Endoscopic ultrasound.
7. Role of 3D ultrasound in infertility.
8. Imaging findings in chronic renal transplant complications.
9. BIRADS.
10. Pyeloureteritis Cystica.

Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 04-Aug-2021

[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. Discuss of MRI with various paradigms.
2. Mention role of imaging in Leukodystrophies.
3. Imaging of Brachial plexus.
4. What are the causes of Proptosis? Discuss radiological approach to unilateral proptosis.
5. Mention differential diagnosis of extradural spinal masses with their imaging features.
6. Imaging features of Arterio Venous Malformations (AVM) of brain. Add a note on interventional procedures available for AVM.
7. Write short notes on:
   a. Baker's cyst
   b. Adamantinoma
   c. Parotid tumor
8. CT and MRI findings in various stages of cerebral infarct.
9. Discuss MRI features of Disc prolapse.
10. Discuss MR mammography versus digital mammography.

M.D. Degree Examination – 04-Aug-2021

RADIO DIAGNOSIS - PAPER – IV

(RS-2/RS-3)

Q.P. CODE: 7464

CORRECTIONS

Read Question No. 1 as follows:

1. Discuss of MRI (FMRI) with various paradigms.

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 12-Nov-2021

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. Low Osmolar contrast media.
2. Digital Radiography.
3. Posterior urethral valve.
4. Tube rating.
5. Radiological anatomy of Osteo Meatal unit.
6. HSG.
7. Down's syndrome.
8. PC PNDT act.
9. Cystic Hygroma.
10. Air Gap Technique.

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M.D. Degree Examination - 15-Nov-2021

[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. Define HRCT. Describe its techniques and its role in diffuse lung diseases. Describe the diagnostic features of solitary pulmonary nodule.
2. Enumerate the causes of small bowel obstruction and role of Barium study in its diagnosis.
3. Idiopathic Hypertrophic Pyloric Stenosis.
4. Choledochal cyst.
5. Adrenal incidentaloma.
6. Imaging in splenic injury.
7. Pulmonary sequestration and its types. Discuss the CT findings.
8. Hirschprung disease – Barium enema findings.
9. Discuss the role of CT in the evaluation of acute pancreatitis.
10. Anterior mediastinal mass lesions.

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Rajiv Gandhi University of Health Sciences, Karnataka

MD Degree Examination – 17-Nov-2021

Time: Three Hours | Max. Marks: 100 Marks

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. Discuss the role of radiologist in assessing a patient with vascular claudication pain.
2. Discuss imaging findings in a renal hypertension and its endovascular management.
3. Pericardial cyst
4. Nephrocalcinosis
5. Sonography features in down's syndrome
6. Intravenous Urography (IVU) features in tuberculosis of the kidney
7. Renal tubular acidosis
8. Multicystic dysplastic kidney
9. Radiological approach in acyanatic heart disease
10. Radiographic features of mitral valvulor disease

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 19-Nov-2021

[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. Enumerate the various neuroendocrine syndromes. Describe the features of any two of these.
2. Discuss the anatomy and anomalies of CV unction. How we will access radiologically?
3. Clinical applications of diffusion tensor imaging.
4. Enumerate the various indications of orbital ultrasound and describe the role of USG color Doppler in a child with white reflex.
5. Ameloblastoma.
6. Discuss the clinical presentation, imaging, findings on USG, CT, MRI of vein of galen malformation. Briefly discuss its interventional treatment.
7. Dermatomyositis.
8. Imaging and intervention in CNS-AVMS.
9. Imaging in acute stroke.
10. Describe the MRI anatomy of pituitary glands. Discuss in detail MR techniques and features of pituitary adenoma.

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