Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 21-Jun-2024

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. Anatomy of bronchopulmonary segments.
2. Write briefly on radiographic technique of Scaphoid view and Frog leg view.
3. Define scattered radiation. Enumerate techniques to reduce scatter radiation.
4. Classify iodinated contrasted media. Write in detail about prevention and management of contrast induced nephropathy.
5. Enumerate generations of computed tomography. Write briefly about recent advances in computed tomography technology.
6. Principles and clinical applications of MR angiography.
7. Describe types of periosteal reactions and differentiating features.
8. Describe calcium metabolism and radiological manifestations of hyperparathyroidism.
9. Describe various ultrasound and Doppler artifacts.
10. Radiation protection in pediatric age group.

M.D. Degree Examination - 24-Jun-2024

[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. Discuss in detail various manifestations of HIV in Chest and their imaging features.
2. Describe pathology, role of imaging and radiological features in gastro intestinal tract lymphomas.
3. Neonatal respiratory distress syndrome
4. Role of imaging in endocrine tumours of pancreas
5. Role of intervention in gastro intestinal bleed
6. Write briefly on metastatic disease of lung.
7. Imaging in complications of liver transplant
8. Embryological aspects of Malrotation of Gut
9. CT features of thoracic lymphoma
10. Chest radiography and HRCT findings in sarcoidosis

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M.D. Degree Examination – 26-Jun-2024

[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. Imaging features of multi cystic dysplastic kidney disease.
2. Imaging in transitional cell carcinoma of urinary bladder.
3. Doppler imaging in third trimester pregnancy.
4. Causes and imaging approach in first trimester bleeding.
5. Classify mullerian duct anomalies and discuss about their imaging features.
6. Classify cardiac tumors and discuss about imaging features of cardiac myxoma.
7. Classify congenital heart diseases. Describe ventricular septal defect in brief with diagram.
8. Indications, Contraindications and procedure of micturating cysto-urethrogram.
9. Classification, imaging features and management of emphysematous pyelonephritis.
10. Discuss about evaluation of down syndrome in fetus.

M.D. Degree Examination – 28-Jun-2024

[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. Intra-axial vs extra-axial mass, imaging features in meningioma.
2. Imaging approach to acute stroke.
3. Space occupying lesions of maxillary sinus and imaging features of fungal sinusitis.
4. Retinal detachment.
5. Imaging in Myositis Ossificans
6. Lytic lesions of Mandible.
7. Artificial intelligence in Radiology.
8. Orthopantomogram.
9. Imaging in Holoprosencephaly.
10. Multiple sclerosis.