Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – MAY-2019

Time: Three Hours **Max. Marks: 100 Marks**

Radio Diagnosis

PAPER – I

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 are bone changes in rickets and Scurvy? Describe them.
2. Classify the contrast media. Add a note on MR contrast media.
3. Write short notes on :
   a. Technetium^{99}
   b. Cyclotron
   c. Xero radiography
   d. Carbon dioxide angiography
4. Describe Angiographic anatomy of coronary arteries.
5. Discuss anatomy of neck spaces and role of imaging in neck spaces.
6. Describe ultrasound and Doppler Artifacts.
7. Write short notes on:
   a. Radiation monitoring devices
   b. Mammography X-rays
8. Classify bone tumors and describe radiological features of Ewing's Sarcoma.
9. Describe the dark room setting.
10. Elastography principle and application.

Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – MAY-2019

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

Radio Diagnosis

PAPER – II

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. Imaging of interstitial lung disease.
2. Write the algorithm for radiological evaluation of a suspected case of acute pulmonary embolism.
3. How to investigate the case of peptic ulcer and describe the radiological findings.
4. Discuss radiological features of Ulcerative Colitis and write the differences from Crohn's disease.
5. Radiological features of Bronchogenic carcinoma and role of MRI in it.
6. Describe the radiological features of Pseudocyst of Pancreas and its complications.
7. Describe the radiological and imaging features of hyperparathyroidism.
8. Enumerate benign focal lesions of liver. Describe their imaging features.
9. Radiological features of Sigmoid Diverticulitis.
10. Write short notes on:
    a. Pulmonary hydatid cyst
    b. Splenic space occupying lesions.
    c. Acute cholecystitis.
    d. MR Fistulogram

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – MAY-2019

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

Radio Diagnosis

PAPER – III

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. Role of MRI in a woman of child bearing age presenting with acute pelvic pain.
2. Undescended Testis.
3. Striate nephrogram.
4. Left Axial myxoma.
5. Role of Doppler in acute renal transplant complications.
6. Primary Tuberculosis of intestine.
7. Neuroendocrine Tumours of pancreas.
8. Adrenal incidentaloma.
9. Hepatic adenoma.
10. Uterine artery embolization.

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – MAY-2019

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

Radio Diagnosis
PAPER – IV
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 causes of soft tissue calcification. Describe in detail the role of imaging in it.
2. Discuss the extraaxial lesins of brain. Role of MRI in diagnosis of extraaxial.
3. Neurotuberculosis
4. Imaging of hyperacute and acute brain infarct
5. Alobar holoprosencephaly
6. Imaging of skull in Acromegaly
7. Odontogenic keratocyst
8. Imaging in retinoblastoma
9. Staging and imaging features of juvenile nasopharyngeal angiofibroma
10. Enumerate infrahyoid neck spaces and imaging features of carotid body tumour.

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 12-Nov-2019

Time: Three Hours **Max. Marks: 100 Marks**

RADIO DIAGNOSIS - PAPER – I
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. Newer ultrasound contrast agents.
2. Breast Tomosynthesis.
3. Osteopoikilosis.
4. CT Enteroclysis.
5. Radiological anatomy of dural venous sinuses.
6. Scatter Radiation.
7. Rickets.
8. MCU.
9. Radiation Hazards to radiation workers.
10. Extra intestinal manifestations of Ulcerative Colitis.

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 14-Nov-2019

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

RADIO DIAGNOSIS - PAPER – II

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 about etiology and imaging features of acute chest pain in elderly adult.
2. Neurenteric cyst.
3. Bronchopleural fistula.
4. CT Arterioportography.
5. Sigmoid volvulus.
6. Imaging findings in Mesenteric Ischemia.
7. Doppler findings in Decompensated Portal hypertension.
8. Invertogram.
9. Role of MRI in Carcinoma lung.
10. Carcinoid tumours of appendix.

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 16-Nov-2019

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

RADIO DIAGNOSIS - PAPER – III

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. Cardiac CT and its applications.
2. Imaging of Tetralogy of Fallot's.
3. Write short notes on :
   a. Adenomyosis
   b. Endopmetriosis
4. Interventional radiology in hepatobiliary system.
5. Role of 3D ultrasound in detection of fetal anomalies.
6. Role of radiology in Renal hypertension.
7. Imaging of renal anomalies.
8. Write short notes on:
   a. Scrotal Doppler
   b. Vesicoureteric Reflux
   c. Doppler indices of IUGR
9. Describe principles of MR Urography and its applications.
10. Discuss role of Doppler in male infertility.

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 18-Nov-2019

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

RADIO DIAGNOSIS - PAPER – IV

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 and discuss the osteogenic tumours. Describe the radiological investigations to arrive at the diagnosis.
2. Discuss the differential diagnosis and imaging finding of posterior cranial fossa lesions in children.
3. Imaging in Neurobromatosis
4. Meningioma of brain – imaging findings
5. Imaging findings of retinoblastoma
6. Pleomarphic adenoma of parotid gland
7. Thyroid ophthalmopathy and its differential diagnosis
8. Fungal sinusitis
9. Imaging in odontogenic cyst
10. Imaging in acute stroke

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