

**Rajiv Gandhi University of Health Sciences, Karnataka**

MD Degree Examination – MAY-2018

**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. Explain about metabolic disorders of bone and how to arrive at diagnosis on plain radiograph.
2. Describe the principles of multidetector CT and the various reconstruction methods.
3. What is filtration? Explain in detail about different levels of filtration used in X ray.
4. Differential diagnosis of lesions of mandible
5. Avascular necrosis
6. Radiological features of skeletal tuberculosis
7. Benign expansile lesion of long bone
8. Giant cell tumours
9. Classify idiosyncratic reactions resulting from contrast media administration. Describe the management of life threatening adverse reactions.
10. Clinical applications and techniques of fat suppression in MRI

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# Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - MAY-2018

[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 the causes of portal hypertension. Write in detail about the Sonographic and Doppler evaluation of Cirrhosis and Portal hypertension.
2. Describe in detail the various types of adrenal masses. Explain the various imaging modalities with salient findings to differentiate the masses.
3. Imaging findings of ulcerative colitis
4. Oesophageal varices
5. Congenital lobar emphysema
6. Focal nodular hyperplasia – imaging with differential diagnosis
7. Imaging in pulmonary edema
8. Retroperitoneal fibrosis and its differential diagnosis
9. MRCP in obstructive jaundice
10. Role of MDCT in staging of carcinoma of lung

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[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. Classify cardiomyopathy. Discuss in detail role of various modalities and salient imaging features in cardiomyopathy.
2. Describe pathology, role of imaging and radiological features in urinary tract trauma.
3. Write briefly on role of isotopes v/s MR imaging in myocardial ischemia
4. Imaging of a child with obstructive uropathy
5. How do you investigate a case of unilateral leg edema?
6. Embryological and imaging considerations in a case of cryptorchidism
7. How would you approach and counsel a pregnant woman with fetal cardiac defect?
8. What are the causes of emergency in 3<sup>rd</sup> trimester pregnancy? How will you investigate?
9. Coronary imaging
10. MRI of cardiac tumours

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# Rajiv Gandhi University of Health Sciences

**M.D. Degree Examination – MAY-2018**

[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. Discuss in detail the imaging findings and differential diagnosis of unilateral proptosis.
2. What are phakomatosis? Discuss the role of imaging of brain in it.
3. Intraosseous Hemangioma
4. Hydrocephalus
5. Esthesioneuroblastoma
6. Ameloblastoma mandible
7. Branchial cleft cyst – Ultrasound imaging
8. Subarachnoid hemorrhage
9. Role of imaging and intervention in dural arteriovenous fistula
10. Imaging in laryngeal carcinoma

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