# Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – APRIL/MAY 2015

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

## MD RADIODIAGNOSIS

**(Revised Scheme)**

**PAPER – I**

**Q.P. CODE: 7461**

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

**LONG ESSAYS** **2 x 20 = 40 Marks**

1. Discuss the basics principle of Magnetic Resonance Imaging.
2. What are the causes of hip pain in early childhood? Discuss the imaging findings in congenital dislocation of hip/Developmental dysplasia of hip.

**SHORT ESSAYS** **6 x 10 = 60 Marks**

3. Segmental anatomy of liver and its importance
4. Computed Radiography versus Digital Radiography
5. PACS
6. CT scan detectors
7. Radionuclide scan in evaluation of a skeletal lesion
8. Degenerative disc disease

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# Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – MAY 2015

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

## MD RADIODIAGNOSIS

**(Revised Scheme)**

**PAPER – II**

**Q.P. CODE: 7462**

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

**LONG ESSAYS** **2 x 20 = 40 Marks**

1. Classify adrenal lesions. Discuss various imaging modalities in diagnosing adrenal lesions including CT and MRI.

2. Describe the technical aspects of HRCT of the lung. Describe the CT imaging features of collagen vascular diseases in lung.

**SHORT ESSAYS** **6 x 10 = 60 Marks**

3. Write short note on MDCT protocol of evaluation of liver.

4. Ultrasound and Doppler sonography in portal hypertension

5. Barium findings in coeliac disease

6. Write short note on Ventilation-perfusion studies by Radionuclide scanning.

7. Different shadows in radiographs of ICU patients

8. CT severity index of acute pancreatitis

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# Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – MAY 2015

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

**MD RADIODIAGNOSIS**
**(Revised Scheme)**
**PAPER – III**

**Q.P. CODE: 7463**

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

**LONG ESSAYS** **2 x 20 = 40 Marks**

1. Discuss the appearences of malignant breast lesion with the help of different imaging modalities.

2. What are the causes of deep vein thrombosis? Discuss merits and demerits of various imaging modalities used in evaluation of DVT.

**SHORT ESSAYS** **6 x 10 = 60 Marks**

3. Bronchial artery embolization

4. Retroperitoneal fibrosis

5. Imaging in aortic dissection

6. Xanthogranulomatous pyelonephritis

7. Doppler findings in mid Superficial Femoral Artery (SFA) occlusion with reformation of distal SFA

8. Left atrial myxoma

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# Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – MAY 2015

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

**MD RADIODIAGNOSIS**
**(Revised Scheme)**
**PAPER – IV**

**Q.P. CODE: 7464**

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

**LONG ESSAYS** **2 x 20 = 40 Marks**

1. Classify and enumerate different supratentorial tumours in adults. Describe in detail the imaging features of Glial tumours.
2. Enumerate the causes of non traumatic intra axial hemorrhage. Describe in detail their CT & MRI imaging features.

**SHORT ESSAYS** **6 x 10 = 60 Marks**

3. ADEM
4. Neurocysticercosis
5. cholesteatoma
6. CNS sarcoidosis
7. Herpes simplex encephalitis
8. Sinonasal anatomic variants

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# Rajiv Gandhi University of Health Sciences

**M.D. Degree Examination – OCTOBER 2015**

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

## RADIO DIAGNOSIS

**PAPER – III (Revised Scheme)**

# Q.P. CODE: 7463

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

**LONG ESSAY** **2 X 20 = 40 Marks**

1. A 40 year old female presents with PV bleeding. Discuss the role of various imaging modalities in arriving at diagnosis.
2. Discuss the role of MRI in hepatobiliary disease

**SHORT ESSAY** **6 X 10 = 60 Marks**

3. Transrectal ultrasonography of anorectal fistulas
4. PTC (Percutaneous Transhepatic Cholangiography)
5. Holoprosencephaly
6. Congenital dislocation of hip joint
7. Cystic hygroma
8. Pulmonary arterio – venous malformation

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# Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – OCTOBER 2015

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

## MD RADIODIAGNOSIS

**(Revised Scheme)**

**PAPER – I**

**Q.P. CODE: 7461**

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

**LONG ESSAYS** **2 x 20 = 40 Marks**

1. Discuss the Basic principle of Computed Radiography (CR) system and describe various types of Computed Radiography Artefacts with methods to rectify them.
2. Enumerate the causes for periosteal reaction. Discuss the imaging appearances on various modalities of osteomyelitis.

**SHORT ESSAYS** **6 x 10 = 60 Marks**

3. Sickle cell anaemia
4. Radiological Features of hyperparathyroidism
5. Achondroplasia
6. Line-focus principle
7. Image Intensifier
8. Rotating Anode and its uses and disadvantages

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# Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – OCTOBER 2015

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

## MD RADIODIAGNOSIS

**(Revised Scheme)**

**PAPER – IV**

**Q.P. CODE: 7464**

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

**LONG ESSAYS** **2 x 20 = 40 Marks**

1. Discuss the role of CT and MRI in evaluating the ring enhancing lesions of the brain.
2. Classify spinal tumours. How will you localize an intra spinal mass on myelography. Discuss the differential diagnosis and imaging features of extradural spinal tumour.

**SHORT ESSAYS** **6 x 10 = 60 Marks**

3. Metachromatic leucodystrophy
4. Epidermoid
5. Fungal sinusitis
6. Tuberous sclerosis
7. Cholesteatoma
8. Medulloblastoma

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