

April-2001

[KD 146]

Sub. Code : 2084

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch VIII — Radio Diagnosis

Part II — Final

Paper III — RADIO DIAGNOSIS INCLUDING
INTERVENTIONAL PROCEDURES

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. What is rectification? Discuss the solid state rectifiers and its advantages over conventional vacuum rectifiers.

How do you test the working of rectifier system?

(25)

2. Describe the development of GIT. Write in short the radiological appearances in Malrotation of the gut.

(25)

3. Short notes on :

(5 × 10 = 50)

(a) Film badge

(b) Iohexol

(c) Transducers

(d) Radiological anatomy of the sella

(e) Sialography.

March-2002

[KG 146]

Sub. Code : 2044

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch VIII — Radiodiagnosis

Part II — Final

Paper III — RADIODIAGNOSIS INCLUDING
INTERVENTIONAL PROCEDURES

Time : Three hours

.Maximum : 100 marks

Answer ALL questions.

1. Discuss the role of imaging in Abdominal Trauma. (25)
 2. Describe the various "Image guided" procedures commonly performed. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) High resolution CT.
 - (b) Stress fracture.
 - (c) Portal hypertension.
 - (d) Solitary pulmonary nodule.
 - (e) CNS anomalies in the fetus.
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April-2003

[KI 146]

Sub. Code : 2043

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch VIII — Radiodiagnosis

Part II — Final

Paper III — RADIODIAGNOSIS INCLUDING
INTERVENTIONAL PROCEDURES

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the role of radiology in diagnosis and management of pancreatitis? (25)
 2. Discuss the current status of vascular interventional techniques. (25)
 3. Write short notes on (5 × 10 = 50)
 - (a) Imaging of pituitary adenoma
 - (b) CT and MRI in intervertebral disc prolapse
 - (c) Sequestration (lung)
 - (d) Intraventricular neoplasms in children
 - (e) Digital radiography.
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[KO 146]

Sub. Code : 2043

M.D. DEGREE EXAMINATION.

Branch VIII — Radiodiagnosis

RADIODIAGNOSIS INCLUDING INTERVENTIONAL
PROCEDURES AND RECENT ADVANCES

Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks
forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay questions : (2 × 15 = 30)

(1) What are the causes of unilateral proptosis.
Discuss radiological diagnosis and management
carotico-cavernous fistula.

(2) Classify mucopoly sacharidosis. Describe
radiological features of MPS IV.

II. Short notes : (10 × 5 = 50)

(a) Contrast Enhanced Magnetic Resonance
Angiography (CEMRA).

(b) CT guided biopsy of lung mass.

(c) Pneumo mediastinum.

(d) I.V.C. filter placement.

(e) Doppler evaluation of deep vein thrombosis
of leg.

(f) Pyogenic meningitis in a child-imaging
features.

(g) Urothelial malignancy.

(h) Functional MRI of brain.

(i) Inverted pappilloma.

(j) Leforte fractures.

[KQ 136]

Sub. Code : 2044

M.D. DEGREE EXAMINATION.

Branch VIII — Radio Diagnosis

**Paper IV (For candidates admitted from 2004-2005
onwards)**

**RADIO DIAGNOSIS INCLUDING INTERVENTIONAL
PROCEDURES AND RECENT ADVANCES**

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary

I. Essay Questions :

1. Write about image production in Magnetic resonance, mention briefly about 2D & 3D pictures & contrast used in MRI. (20)
2. M.R. Spectroscopy in the evaluation of Pediatric Cancers. (15)
3. Write about Dental CT – Techniques, Applications and Advantages. (15)

II. Short notes :

(6 × 5 = 30)

- (a) M.R. Urography
- (b) PACS in managing digital images
- (c) Spleno - portogram - procedure & indications
- (d) Transcranial Doppler
- (e) Hypotonic Duodenography – Procedure and Indications
- (f) Imaging of para thyroid gland

MARCH 2008

[KS 139]

Sub. Code : 2034

M.D. DEGREE EXAMINATION.

Branch VIII — Radio Diagnosis

(Common to all Regulations)

Paper IV — RADIO DIAGNOSIS INCLUDING INTERVENTIONAL
PROCEDURES AND RECENT ADVANCES

Q.P. Code : 202034

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

- I. Essay : (2 × 20 = 40)
1. Write about interventional procedures of the kidney and its blood vessels.
 2. Discuss the differential diagnosis and radiological features of pulsating exophthalmos. Briefly discuss the role of interventional radiology in pulsating exophthalmos.
- II. Short notes : (10 × 6 = 60)
1. SPECT.
 2. Artifacts in Cardiac CT.
 3. Role of penile colour doppler in the evaluation of erectile Dysfunction.
 4. Isotope scanning in liver disorder.
 5. Role of CT in cerebral bleeds.
 6. Mammography.
 7. Role of MRI in demylinating disease.
 8. Barium swallow.
 9. Neurocysticercosis.
 10. Base of the Skull.
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March 2009

[KU 139]

Sub. Code: 2034

M.D. DEGREE EXAMINATION
Branch VIII – RADIO DIAGNOSIS
(Candidates admitted from 2007-2008)

Paper IV – RADIO DIAGNOSIS INCLUDING
INTERVENTIONAL PROCEDURES AND RECENT ADVANCES
Q.P. Code : 202034

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions : **(2 x 20 = 40)**

1. Discuss the procedure and role of magnetic resonance shoulder arthrography in Gleno –Humeral instability.
2. Discuss the differential diagnosis and radiological features of collapsed vertebra. Briefly discuss the role of interventional radiology in collapsed vertebra.

II. Write short notes on : **(10 x 6 = 60)**

1. Transjugular liver biopsy.
2. Clinical applications of diffusion weighted magnetic resonance imaging.
3. Femoro – Acetabular impingement.
4. Role of interventional radiology in male infertility.
5. Magnetic resonance imaging findings in extra – axial mass lesions.
6. Vascular ultrasound.
7. Artefacts in cardiac computer tomography.
8. Hepato-biliary scintigraphy.
9. Magnetic resonance cholangio pancreatography (MRCP).
10. Cardiac computer tomography angiogram.

March 2010

[KW 139]

Sub. Code: 2034

M.D. DEGREE EXAMINATION

Branch VIII – RADIO DIAGNOSIS

**Paper IV – (for candidates admitted upto 2007-2008) and
Part II / Paper III – (for candidates admitted from 2008-2009 onwards)**

**RADIO DIAGNOSIS INCLUDING INTERVENTIONAL
PROCEDURES AND RECENT ADVANCES**

Q.P. Code : 202034

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions : (2 x 20 = 40)

1. Classify bone tumors and discuss in detail about tumors of cartilage origin.
2. Discuss the methods of radiation protection. How do you protect the occasional exposed and occupationally exposed.

II. Write short notes on : (10 x 6 = 60)

1. Retrocaval ureter.
2. Medullary sponge kidney / page kidney.
3. M.R. Angiography.
4. Intra operative ultrasound.
5. C.T. pneumosialography.
6. Broncho-pulmonary segments and hypoplasia / aplasia of lung.
7. H.R.C.T. in Sweyer – James syndrome.
8. Renal scintigraphy.
9. Small kidney.
10. VACTEREL anomaly.

MAY 2011

[KY 139]

Sub. Code: 2034

M.D. DEGREE EXAMINATION
BRANCH VIII – RADIO DIAGNOSIS
RADIO DIAGNOSIS INCLUDING INTERVENTIONAL PROCEDURES
AND RECENT ADVANCES

Q.P. Code : 202034

Time : 3 hours
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. What are the differentials for a patient presenting with fever, altered sensorium and seizures. Discuss the imaging findings in Herpes Encephalitis.	11	35	15
2. Describe the boundaries and contents of the Carotid Space. List the differentials for a mass in the carotid space. Discuss the role of intervention radiology in the diagnosis and management.	11	35	15

II. Write notes on :

1. Direct digital radiography.	4	10	7
2. Ring enhancing lesions in the brain.	4	10	7
3. Arterial supply to the liver and normal variants.	4	10	7
4. Acroosteolysis.	4	10	7
5. Spinal ultrasound.	4	10	7
6. Hydrocephalus.	4	10	7
7. Radiofrequency ablation.	4	10	7
8. 'Spoiled' Gradient Echo sequences.	4	10	7
9. MRI shoulder arthrogram.	4	10	7
10. Cytotoxic edema.	4	10	7
