

M.D. DEGREE EXAMINATION

PAPER II – RADIO DIAGNOSIS INCLUDING NUCLEAR MEDICINE

I. Elaborate on:

(2 x 15 = 30)

1. Enumerate various causes of female infertility. Describe the role of HSG & MRI in their diagnosis.
2. Enumerate various Neurophakomatoses. Describe in detail about tuberous sclerosis.

II. Write notes on:

(10 x 7 = 70)

1. Role of isotopes in skeletal disease
2. Disposal of radioactive waste in nuclear medicine department.
3. Doppler study for a renal transplant
4. MR imaging in brachial plexus
5. CT cisternography – technique and applications
6. Pelvic USG in a perimenopausal woman
7. Solitary pulmonary nodule – Differentials and CT imaging findings
8. Classify internal hernias . Describe about Paraduodenal hernias
9. Classify Glottic tumours and imaging appearance
10. Pancreatic neuro endocrine tumors

[LQ 138]

**AUGUST 2020
(MAY 2020 SESSION)**

Sub. Code: 2033

M.D. DEGREE EXAMINATION

BRANCH VIII – RADIO DIAGNOSIS

**PAPER III – RADIO DIAGNOSIS INCLUDING INSTRUMENTATION AND
CONTRAST STUDIES**

Q.P. Code: 202033

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on: (2 x 15 = 30)

1. Imaging approach and protocols for bilateral adrenal lesions.
2. Classify osteosarcoma . Describe in detail about the central type of osteosarcoma

II. Write notes on: (10 x 7 = 70)

1. Emergency drugs that should be available in the radiology department and their uses along with dosage
2. Technique and interpretation in defaecogram
3. Technique and instrumentation in Transcranial doppler studies
4. Role of radiology in abdominal trauma in a road traffic accident person
5. Thyroid scintigraphy
6. How do you approach a case of solitary collapsed vertebra in a old aged female ?
7. Imaging in neuroendocrine tumors of pancreas
8. Draw a well labeled diagram of craniovertebral junction and enumerate the junction anomalies
9. Twin to twin transfusion syndrome
10. Bone marrow edema around knee and their causes. What are the MRI findings?

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2034

M.D. DEGREE EXAMINATION

BRANCH VIII – RADIO DIAGNOSIS

**PAPER IV – RADIO DIAGNOSIS INCLUDING INTERVENTIONAL
PROCEDURES AND RECENT ADVANCES**

Q.P. Code: 202034

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. How do you evaluate a pregnant lady with an IUGR baby ? Role of USG and Doppler during the course of her pregnancy.
2. Role of radiology in relieving pain in an ischemic lower limb .

II. Write notes on:

(10 x 7 = 70)

1. MR ABRE Tractography
2. Preprocedural work up in a person admitted for a planned DSA procedure
3. Role of MRI in a pregnant female
4. Pelvic floor imaging
5. Explain the procedure of vertebral body biopsy
6. Radiological evaluation in a person with obstructive jaundice
7. Endovascular USG
8. Imaging in a case of normal pressure hydrocephalous
9. Role of perfusion MRI in ischemic stroke
10. Evaluation of a newborn child with blindness
