

Reg. No.

MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

MD (RADIODIAGNOSIS) DEGREE EXAMINATION – JULY 2005

**SUBJECT: PAPER I: PHYSICS AS APPLIED TO RADIO DIAGNOSIS,
BASIC SCIENCES APPLIED TO RADIO DIAGNOSIS**

Monday, July 04, 2005

Time: 3 Hrs.

Max. Marks: 100

✍ **Answer all the questions**

1. Describe the role of radionuclide scan in evaluating GIT lesions.

(34 marks)

2. Write short notes on the following:

2A. Film processor

2B. Rectification

2C. Attenuation of radiation

2D. Rotating anode.

2E. Macro radiography

2F. CO₂ angiography

(11 × 6 = 66 marks)



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MD (RADIODIAGNOSIS) DEGREE EXAMINATION – JULY 2005

SUBJECT: PAPER II: RADIOLOGY AND IMAGING RELATED TO THE GASTROINTESTINAL TRACT, GENITOURINARY TRACT AND CARDIOVASCULAR SYSTEM

Tuesday, July 05, 2005

Time: 3 Hrs.

Max. Marks: 100

Answer all the questions

1. Discuss the radiological features of gastric and duodenal ulcer. Discuss "barium meal study vs endoscopy" in the diagnosis of ulcers.

(34 marks)

2. Write short notes on the following:

- 2A. Colour Doppler vs venography in lower limb Deep Venous Thrombosis.
2B. Foetal circulation.
2C. Pathogenesis of A.S.D.
2D. Blighted ovum.
2E. Briefly describe various causes of unilateral large kidney with IVU features of each.
2F. Imaging in renal hypertension.

(11 × 6 = 66 marks)



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MD (RADIODIAGNOSIS) DEGREE EXAMINATION – JULY 2005

SUBJECT: PAPER III: RADIOLOGY AND IMAGING RELATED TO NEUROLOGY,
CHEST AND SKELETAL SYSTEM

Wednesday, July 06, 2005

Time: 3 Hrs.

Max. Marks: 100

✍ **Answer all the questions**

1. Discuss normal lung anatomy on HRCT. Enumerate the patterns of lung disease on HRCT and briefly discuss the differential diagnosis.

(34 marks)

2. Write short notes on the following:

- 2A. Perthe's disease.
- 2B. Heel – Pad thickness.
- 2C. Osteogenesis imperfecta.
- 2D. Craniostenosis.
- 2E. Epidermoid.
- 2F. Role of CT in CVA.

(11 × 6 = 66 marks)

