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MANIPAL UNIVERSITY

DIPLOMA IN RADIO-DIAGNOSIS (D.M.R.D.) EXAMINATION – OCTOBER 2012

SUBJECT: PAPER I: BASIC SCIENCES RELATED TO RADIOLOGY (IT CONSISTS OF ANATOMY, PATHOLOGY, BASIC AND RADIATION PHYSICS, TECHNIQUE AND DARK ROOM PROCESSING AND APPARATUS CONSTRUCTION)

Wednesday, October 03, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer all questions.**

1. Discuss in detail the construction of a grid and explain how it helps in improving the radiographic quality.

(34 marks)

2. **Write short notes on:**

- 2A. Macroradiography
2B. Iohexol
2C. Personnel dosimetry systems
2D. Dark room safelight
2E. Describe the cross sectional details of the conventional X-ray film and that of a one side coated film
2F. Embryology and anatomy of pancreas

(11×6 = 66 marks)



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MANIPAL UNIVERSITY

DIPLOMA IN RADIO-DIAGNOSIS (D.M.R.D.) EXAMINATION – OCTOBER 2012

**SUBJECT: PAPER II: CNS INCLUDING HEAD AND NECK, MUSCULOSKELETAL, CHEST,
MAMMOGRAPHY, C.V.S.**

Thursday, October 04, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer all questions.

1. Discuss coronary artery anatomy and its congenital variations. Elaborate on the role of computed tomography in assessment of coronary artery disease.

(34 marks)

2. **Write short notes on:**

- 2A. Herpes simplex encephalitis
2B. Carotico cavernous fistula
2C. Pseudogout
2D. Neuropathic joints
2E. Alveolar Microlithiasis
2F. Sonomammography

(11×6 = 66 marks)



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MANIPAL UNIVERSITY

DIPLOMA IN RADIO-DIAGNOSIS (D.M.R.D.) EXAMINATION – OCTOBER 2012

**SUBJECT: PAPER III: ABDOMINAL, IMAGING INCLUDING GI, GU, HEPATOBILIARY,
INTERVENTIONAL RADIOLOGY, OBST AND GYNAE**

Friday, October 05, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer all questions.**

1. Discuss the cross sectional anatomy of retroperitoneum and describe in detail primary retroperitoneal tumors.

(34 marks)

2. **Write short notes on:**

- 2A. Role of sonography in transplant kidney
- 2B. Fallopian tube recanalisation
- 2C. Focal nodular hyperplasia (FNH)
- 2D. CT severity index in acute pancreatitis
- 2E. Sigmoid volvulus
- 2F. Neuro enteric cyst

(11×6 = 66 marks)

