

MANIPAL UNIVERSITY

PG DIPLOMA IN RADIO-DIAGNOSIS (D.M.R.D.) EXAMINATION – APRIL 2014

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)

Tuesday, April 01, 2014

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL questions.

Health Sciences Library

1. Discuss the basic principles of MRI.

(34 marks)

2. Write short notes on:

2A. Rotating Anode

2B. Piezo electric effect

2C. Personnel dosimetry systems

2D. ^{99m}Tc labeled radionuclide scans

2E. Cross sectional anatomy of peritoneal spaces

2F. Segmental anatomy of liver and its importance

(11×6 = 66 marks)



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PG DIPLOMA IN RADIO-DIAGNOSIS (D.M.R.D.) EXAMINATION – APRIL 2014

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

Wednesday, April 02, 2014

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL questions.

Health Sciences Library

1. What is the imaging approach to a case of monoarthritis? Describe in detail individual conditions that can present with monoarthritis.

(34 marks)

2. Write short notes on:

2A. Giant Cell Tumor

2B. Herpes encephalitis

2C. Pre-operative localization of non palpable breast disease

2D. Bronchopulmonary dysplasia

2E. Calcifications in malignant breast disease

2F. Psoriatic arthritis

(11×6 = 66 marks)



MANIPAL UNIVERSITY**PG DIPLOMA IN RADIO-DIAGNOSIS (D.M.R.D.) EXAMINATION – APRIL 2014****SUBJECT: PAPER III: ABDOMINAL, IMAGING INCLUDING GI, GU, HEPATOBILIARY,
INTERVENTIONAL RADIOLOGY, OBST AND GYNAE**

Thursday, April 03, 2014

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions.****Health Sciences Library**

1. Discuss the role of imaging in gastrointestinal obstruction in neonatal and pediatric age group.
(34 marks)

2. **Write short notes on:**

- 2A. Nephrocalcinosis
- 2B. MR in Carcinoma cervix
- 2C. Adenomyosis
- 2D. Infantile polycystic disease of kidneys
- 2E. Syndromes with GIT polyposis.
- 2F. Hepatic hydatid disease

(11×6 = 66 marks)

