

Reg. No.

MANIPAL UNIVERSITY

DIPLOMA IN RADIO-DIAGNOSIS (D.M.R.D.) EXAMINATION – OCTOBER 2007

SUBJECT: PAPER I: BASIC SCIENCES

Monday, October 01, 2007

Time: 3 Hrs.

Max. Marks: 100

Answer ALL the questions.

1. Describe in detail the structures and principle of intensifying and fluoroscopic screens. Discuss their application in diagnostic radiology.

(34 marks)

2. Write short notes:

- 2A. X-ray grids.
2B. High K V technique in chest X-ray.
2C. Characteristic curve of X-ray film.
2D. Distortion.
2E. CT angiography.
2F. Describe the cross sectional details of conventional X-ray film and that of a one sided coated imaging film.

(11×6 = 66 marks)



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SUBJECT: PAPER II: GIT, GUT, CVS

Wednesday, October 03, 2007

Time: 3 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

1. Describe the radiological approach in a case of extrinsic impression on the greater curvature of stomach on endoscopy.

(34 marks)

2. Write short notes:

- 2A. Left atrial enlargement.
2B. Pathological anatomy of tetralogy of fallot.
2C. Doppler evaluation of peripheral arteriovenous fistula.
2D. Cushing's syndrome.
2E. Pheochromocytoma.
2F. Transrectal ultrasound of prostate.

(11×6 = 66 marks)



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SUBJECT: PAPER III: RESPIRATORY SYSTEM, BONES AND CNS

Thursday, October 04, 2007

Time: 3 Hrs.

Max. Marks: 100

✍ Answer **ALL** the questions.

1. Role of imaging in the evaluation of hip joint in children.

(34 marks)

2. Write short notes on:

2A. Wegener's granulomatosis.

2B. Superior sulcus tumours.

2C. Pulmonary odema.

2D. Circle of Willis.

2E. Haemorrhagic infarction.

2F. CNS infections in Newborn.

(11×6 = 66 marks)

