Reg. No.				

(Deemed University)

MD (RADIODIAGNOSIS) DEGREE EXAMINATION – JULY 2006

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

Monday, July 03, 2006

Time: 3 Hrs.

Answer all the questions

Max. Marks: 100

 Describe the X-ray tube with the help of a diagram. How are X-rays produced from an X-ray tube?

(34 marks)

- Write short notes on the following:
- Dark room safelight.
- 2B. Peizo electric effect.
- Radiological anatomy of sella.
- 2D. Transformer.
- 2E. Film emulsion.
- 2F. Technical parameters of X-ray equipment for fluoroscopic procedures.

 $(11 \times 6 = 66 \text{ marks})$

Reg. No.		-				
	Name and Advanced					

(Deemed University)

MD (RADIODIAGNOSIS) DEGREE EXAMINATION – JULY 2006

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

Tuesday, July 04, 2006

Time: 3 Hrs.

Answer ALL the questions.

Max. Marks: 100

1. Discuss various MR sequences used for evaluation of thoracic aorta.

(34 marks)

- Write short notes on the following:
- Cystic neoplasms liver.
- 2B. Malrotation of intestine.
- Pancreatic pseudocyst.
- 2D. Medullary sponge kidney.
- 2E. Testicular tumours.
- 2F. Endometriosis

 $(11\times6 = 66 \text{ marks})$



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(Deemed University)

MD (RADIODIAGNOSIS) DEGREE EXAMINATION – JULY 2006

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

Wednesday, July 05, 2006

Time: 3 Hrs. Max. Marks: 100

Answer ALL the questions.

 Describe the radiological anatomy of cranio vertebral junction. Describe the role of plain X-ray in the evaluation of C.V. junction.

(34 marks)

- 2. Write short notes on the following:
- 2A. Describe the pathology and radiological findings in adult respiratory distress syndrome.
- 2B. Pyknodysostosis.
- 2C. Pigmented villonodular synovitis.
- 2D. Psoriatic arthritis.
- 2E. Sub pulmonic effusion.
- 2F. Plain X-ray features of malignant solitary pulmonary nodule.

 $(11\times6 = 66 \text{ marks})$



Reg. No.			
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(Deemed University)

MD (RADIODIAGNOSIS) DEGREE EXAMINATION – JULY 2006

SUBJECT: PAPER IV: RECENT ADVANCES INCLUDING IMAGING AND CLINICAL RADIOLOGY
Thursday, July 06, 2006

Time: 3 Hrs.

Answer ALL the questions.

Max. Marks: 100

1. Discuss the role of duplex doppler in the diagnosis of portal hypertension.

(34 marks)

- 2. Write short notes on:
- 2A. Radionuclide imaging of central nervous system.
- 2B. Compare and contrast CT myelography and M.R.I.
- 2C. Fast MR imaging techniques.
- 2D. Virtual endoscopy.
- 2E. USG contrast media.
- 2F. Digital subtraction rotational angiography.

 $(11\times6 = 66 \text{ marks})$

