

Reg. No.										
----------	--	--	--	--	--	--	--	--	--	--

MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

THIRD YEAR B.Sc. M.I.T. DEGREE EXAMINATION – JUNE 2005

SUBJECT: MEDICINE

Wednesday, June 15, 2005

Time: 1½ Hrs.

Max. Marks: 40

Answer ALL the questions.

1. Enumerate the causes of hematuria and how will you investigate a case of hematuria?
(8 marks)
2. What are the clinical features of chronic renal failure?
(8 marks)
3. Write short notes on Universal protection its need and uses in hospital setting.
(8 marks)
4. What is respiratory distress? Write causes and how will you manage a case of respiratory distress.
(2+6 = 8 marks)
5. How will you do a CPR in a case of terminal cardiopulmonary arrest?
(8 marks)



Reg. No.										
----------	--	--	--	--	--	--	--	--	--	--

MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

SECOND/THIRD YEAR B.Sc. M.I.T. DEGREE EXAMINATION – JUNE 2005

SUBJECT: SURGERY

Thursday, June 16, 2005

Time: 1½ Hrs.

Max. Marks: 40

✍ Write short notes on the following.

(8×5 = 40 marks)

1. Aetiopathogenesis and Clinical features of Intestinal Obstruction.
2. Causes and Clinical features of Dysphagia.
3. Hemoptysis.
4. Testicular Tumors.
5. Intestinal Tuberculosis.



Reg. No.										
----------	--	--	--	--	--	--	--	--	--	--

MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

THIRD YEAR B.Sc. M.I.T. DEGREE EXAMINATION – JUNE 2005

SUBJECT: PHYSICS AND DARK ROOM TECHNIQUES

Friday, June 17, 2005

Time: 3 Hrs.

Max. Marks: 80

✍ Answer all questions.

✍ All questions carry equal marks.

1. Write short notes on Radiation protection principles.
2. Write short notes on full wave and half wave ratification.
3. Write short notes on Modern x-ray tube (explain with diagram).
4. Write short notes on properties of Tungsten as target and filament in x-ray tube.
5. Write short notes on Rare earth screens.
6. Write short notes on Potter bucky grids.
7. Write short notes on Camera system in fluroscopy.
8. Write short notes on film badge.



Reg. No.									
----------	--	--	--	--	--	--	--	--	--

MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

THIRD YEAR B.Sc. M.I.T. DEGREE EXAMINATION – JUNE 2005

SUBJECT: RADIOLOGICAL PROCEDURE

Monday, June 20, 2005

Time: 3 Hrs.

Max. Marks: 80

≠ Answer all questions.

≠ Each question carries equal marks.

1. Describe the Radiography of following:
 - 1A. Femur: AP & Lateral.
 - 1B. Paranasal sinus: Caldwell view.
 - 1C. Scaphoid view.
 - 1D. Hand : Lateral, postero-anterior (both hands).
 - 1E. Knee joint – Anteroposterior & lateral.

2. Describe the following radiological procedure:

- 2A. Barium meal follow through.
- 2B. Intravenous urography.
- 2C. Hysterosalpingography.
- 2D. Myelography.
- 2E. Dacryocystography.



Reg. No.									
----------	--	--	--	--	--	--	--	--	--

MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

THIRD YEAR B.Sc. M.I.T. DEGREE EXAMINATION – JUNE 2005

SUBJECT: NEW IMAGING MODALITIES AND RECENT ADVANCES

Tuesday, June 21, 2005

Time: 3 Hrs.

Max. Marks: 80

Answer all questions.

All questions carry equal marks.

1. Describe in detail principle of computed tomography.
2. What is the protocol used for evaluation of head trauma in a child?
3. Discuss advantages of Digital radiography.
4. Discuss in detail construction and equipments used in angiographic laboratory.
5. Discuss MR artifacts in detail.
6. Write about indications, patient preparation and contraindication of MR.
7. What are the various types of transducers used in ultrasonography and discuss construction of a transducer?
8. How do you prepare a patient for ultrasound of pelvis?
9. What is the protocol used for evaluation of liver in helical CT?
10. Discuss ultrasound artifacts.

