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# MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

## MD (ANATOMY) DEGREE EXAMINATION – JULY 2006

### SUBJECT: PAPER I: GROSS ANATOMY

Monday, July 03, 2006

Time: 3 Hrs.

Max. Marks: 100

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- ✍ **Answer all the questions.**
  - ✍ **All questions carry equal marks.**

1. Describe the differences between shoulder joint and hip joint.
  
2. Describe the gross anatomy of the Parotid gland – add a note on its applied aspects.
  
3. Write short notes on:
  - 3A. Vocal cords.
  - 3B. Trigone of the urinary bladder.
  - 3C. Superior mesenteric artery.

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# MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

## MD (ANATOMY) DEGREE EXAMINATION – JULY 2006

**SUBJECT: PAPER II: EMBRYOLOGY, HISTOLOGY, MORPHOLOGY AND GENETICS**

Tuesday, July 04, 2006

Time: 3 Hrs.

Max. Marks: 100

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- ✍ **Answer all the questions.**  
✍ **All questions carry equal marks.**

1. Describe the developmental anomalies of the Inferior Vena Cava.
2. Describe the histology of the Lung.
3. Write short notes on:
  - 3A. Mesonephric duct.
  - 3B. Mitochondria.
  - 3C. Mutation.

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# MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

## MD (ANATOMY) DEGREE EXAMINATION – JULY 2006

### SUBJECT: PAPER III: NEUROANATOMY

Wednesday, July 05, 2006

Time: 3 Hrs.

Max. Marks: 100

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- ✍ **Answer all the questions.**  
✍ **All questions carry equal marks.**

1. Describe the nuclei, connections of the hypothalamus.
2. Describe fourth ventricle.
3. Write short notes on:
  - 3A. Nuclei of the cerebellum.
  - 3B. Interior of the midbrain.
  - 3C. Internal capsule.

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# MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

## MD (ANATOMY) DEGREE EXAMINATION – JULY 2006

**SUBJECT: PAPER IV: SURGICAL ANATOMY AND RECENT ADVANCES**

Thursday, July 06, 2006

Time: 3 Hrs.

Max. Marks: 100

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- ✍ **Answer all the questions.**
  - ✍ **All questions carry equal marks.**

1. Describe the various incisions on the anterior abdominal wall and their merits and demerits.
  
2. Describe the effects of nerve injuries in the upper limb.
  
3. Write short notes on:
  - 3A. Emissary veins
  - 3B. Pyelography
  - 3C. Pulp space.

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# MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

## MD (ANATOMY) DEGREE EXAMINATION – DECEMBER 2006

### SUBJECT: PAPER I: GROSS ANATOMY

Monday, December 04, 2006

Time: 3 Hrs.

Max. Marks: 100

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- ~~✍~~ **Answer all the questions.**
  - ~~✍~~ **All questions carry equal marks.**

1. Describe the uterus.
  
2. Describe the middle ear.
  
3. Write short notes on:
  - 3A. Vas deferens.
  - 3B. Ciliary ganglion.
  - 3C. Cruciate ligaments of the knee joint.

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# MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

## MD (ANATOMY) DEGREE EXAMINATION – DECEMBER 2006

**SUBJECT: PAPER II: EMBRYOLOGY, HISTOLOGY, MORPHOLOGY AND GENETICS**

Tuesday, December 05, 2006

Time: 3 Hrs.

Max. Marks: 100

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- ✍* **Answer all the questions.**  
*✍* **All questions carry equal marks.**

1. Describe the microscopic anatomy of the testis, epididymis and vas deferens.
  
2. Describe the cloaca.
  
3. Write short notes on:
  - 3A. Development of arch of aorta.
  - 3B. Ribosome.
  - 3C. X chromosome.

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# MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

## MD (ANATOMY) DEGREE EXAMINATION – DECEMBER 2006

### SUBJECT: PAPER III: NEUROANATOMY

Wednesday, December 06, 2006

Time: 3 Hrs.

Max. Marks: 100

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- ✍ **Answer all the questions.**
  - ✍ **All questions carry equal marks.**

1. Describe the limbic system.
  
2. Give a detailed account of the optic pathway and effect of lesions at different levels.
  
3. Write short notes on:
  - 3A. Cauda equina.
  - 3B. Mesencephalic nucleus.
  - 3C. Circle of Willis.

# MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

## MD (ANATOMY) DEGREE EXAMINATION – DECEMBER 2006

**SUBJECT: PAPER IV: SURGICAL ANATOMY AND RECENT ADVANCES**

Thursday, December 07, 2006

Time: 3 Hrs.

Max. Marks: 100

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- ✍ **Answer all the questions.**
  - ✍ **All questions carry equal marks.**

1. Describe the surgical anatomy of the venous drainage of the lower limb.
2. Give the surgical anatomy of the extra biliary apparatus.
3. Write short notes on:
  - 3A. Ultra sonography.
  - 3B. Surgical anatomy of the vertebral column.
  - 3C. Trigeminal neuralgia.

