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MANIPAL UNIVERSITY

M.Sc. MEDICAL (FINAL) ANATOMY DEGREE EXAMINATION – AUGUST 2011

PAPER I: GROSS ANATOMY, APPLIED ANATOMY AND MORPHOLOGY

Monday, August 08, 2011

Time: 14:00 – 17:00 Hrs.

Maximum Marks: 100

- ✍ Answer ALL the questions.
- ✍ Illustrate your answers with neatly drawn and correctly labeled diagrams wherever necessary.

1. Describe the intra-articular ligaments of the knee joint. Discuss its applied aspects. (25 marks)

2. Describe the blood supply, lymphatic drainage and nerve supply of stomach. Add a note on its applied aspects. (25 marks)

3. Classify dural venous sinuses. Describe the cavernous sinus and add a note on its applied aspects. (25 marks)

4. Write short notes on:

4A. Pouch of Douglas

4B. Palmar interossei of the hand

4C. Ear ossicles

4D. Arterial supply of typical intercostal space

4E. Inguinal hernia

(5×5 = 25 marks)



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MANIPAL UNIVERSITY

M.Sc. MEDICAL (FINAL) ANATOMY DEGREE EXAMINATION – AUGUST 2011

PAPER II: EMBRYOLOGY, HISTOLOGY AND GENETICS

Tuesday, August 09, 2011

Time: 14:00 – 17:00 Hrs.

Maximum Marks: 100

- ✍ **Answer all the questions.**
- ✍ **Illustrate your answers with neatly drawn and correctly labeled diagrams wherever necessary.**

1. Discuss the development and anomalies of the face. (25 marks)

2. Discuss the development and anomalies of the arch of the aorta. (25 marks)

3. Describe the histology of male genital system. (25 marks)

4. **Write short notes on:**

4A. X linked inheritance

4B. Chromosomal banding

4C. Turner's syndrome

4D. Mitosis

4E. Lysosomes

(5×5 = 25 marks)



MANIPAL UNIVERSITY**M.Sc. MEDICAL (FINAL) ANATOMY DEGREE EXAMINATION – AUGUST 2011****PAPER III: NEUROANATOMY AND RECENT ADVANCES**

Wednesday, August 10, 2011

Time: 14:00 – 17:00 Hrs.

Maximum Marks: 100

✍ Answer all the questions**✍ Illustrate your answers with neatly drawn and correctly labeled diagrams wherever necessary.**

1. Describe the internal capsule. Give its blood supply and applied aspects.

(25 marks)

2. Describe the anatomy of Hypothalamus, its functions and applied anatomy.

(25 marks)

3. Describe the facial nerve and its applied anatomy.

(25 marks)

4. **Write short notes on:**

4A. Nuclei of cerebellum

4B. Arachnoid villi

4C. Substantia nigra

4D. Colliculi of midbrain

4E. Medial lemniscus

(5×5 = 25 marks)

