Reg. No.										

MANIPAL UNIVERSITY

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

PAPER I: GROSS ANATOMY, APPLIED ANATOMY AND MORPHOLOGY

Monday, February 07, 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 duodenum under extent, relations, internal features, blood supply and applied aspects.

2. Describe the origin, course and distribution of the radial nerve. Discuss its applied aspects.

3. Describe in detail inguinal canal. Discuss its applied aspects.

(25×3 = 75 marks)

4. Write short notes on:

4A. Vermiform appendix

4B. Ansa cervicalis

4C. Pharyngeal tonsil

4D. Renal fascia

4E. Flexor retinaculam of wrist.

(5×5 = 25 marks)

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MANIPAL UNIVERSITY

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

PAPER II: EMBRYOLOGY, HISTOLOGY AND GENETICS

Tuesday, February 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 stages in the development of human kidney. Add a note on its congenital anomalies.

2. Describe in detail the formation and fate of intraembryonic mesoderm.

3. Describe the microscopic structure of spleen and add a note on splenic circulation.

(25×3 = 75 marks)

4. **Write short notes on:**

4A. X chromosome

4B. Mitochondria

4C. Connecting stalk

4D. Histology of loose areolar tissue

4E. Meckel's diverticulum

(5×5 = 25 marks)

Reg. No.			.							

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

PAPER III: NEUROANATOMY AND RECENT ADVANCES

Wednesday, February 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. Describe the gross features of the spinal cord. Give its arterial supply.

2. Describe the trigeminal nerve and its nuclei.

3. Describe the thalamic nuclei and their connections.

(25×3 = 75 marks)

4. Write short notes on:

4A. Lateral geniculate body

4B. Circadian rhythm

4C. Olfactory bulb

4D. Corpus callosum

4E. Blood brain barrier.

(5×5 = 25 marks)