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MANIPAL UNIVERSITY

M.Sc. MEDICAL (FINAL) ANATOMY DEGREE EXAMINATION – FEBRUARY 2012

PAPER I: GROSS ANATOMY, APPLIED ANATOMY AND MORPHOLOGY

Tuesday, February 07, 2012

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 in detail formation, course, relations and tributaries of Portal vein. Add a note on Port Caval anastamoses.

(25 marks)

2. Describe in detail layers of scalp, blood supply and nerve supply. Add a note on applied aspects.

(25 marks)

3. Describe in detail right atrium of heart. Add a note on conducting system of the heart.

(25 marks)

4. Write short notes on:

4A. Tympanic membrane

4B. Carpal tunnel

4C. Great saphenous vein

4D. Spermatic cord

4E. Pleural recesses

(5×5 = 25 marks)



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MANIPAL UNIVERSITY

M.Sc. MEDICAL (FINAL) ANATOMY DEGREE EXAMINATION – FEBRUARY 2012

PAPER II: EMBRYOLOGY, HISTOLOGY AND GENETICS

Wednesday, February 08, 2012

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 development of testis. Discuss descent of testis.

(25 marks)

2. Describe the development of hindgut.

(25 marks)

3. Describe the histology of the kidney.

(25 marks)

4. Write short notes on:

4A. Meckel's cartilage

4B. Autosomal dominance

4C. Microscopic structure of epidermis

4D. Desmosomes

4E. Tetralogy of Fallot

(5×5 = 25 marks)



MANIPAL UNIVERSITY**M.Sc. MEDICAL (FINAL) ANATOMY DEGREE EXAMINATION – FEBRUARY 2012****PAPER III: NEUROANATOMY AND RECENT ADVANCES**

Thursday, February 09, 2012

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 Basal ganglia, its connections and applied anatomy.

(25 marks)

2. Describe the cerebellum with connections and functions.

(25 marks)

3. Describe the tracts in the posterior column of spinal cord.

(25 marks)

4. **Write short notes on:**

4A. Subarachnoid cisterns

4B. Mamillary body

4C. Cingulate Gyrus

4D. Floor of the fourth ventricle

4E. Blood supply of the spinal cord

(5×5 = 25 marks)

