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MANIPAL UNIVERSITY

MD (ANATOMY) DEGREE EXAMINATION – APRIL 2013

SUBJECT: PAPER I: GROSS ANATOMY INCLUDING GENERAL ANATOMY

Tuesday, April 02, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

Answer ALL the questions.

1. Describe the anatomy of pharynx in detail. (35 marks)
2. Describe the anatomy of the knee joint. Explain the mechanism of locking and unlocking. (35 marks)
3. **Write short notes on:**
 - 3A. Pterygopalatine ganglion
 - 3B. Azygous vein
 - 3C. Ossification

(10×3 = 30 marks)



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MANIPAL UNIVERSITY

MD (ANATOMY) DEGREE EXAMINATION – APRIL 2013

SUBJECT: PAPER II: EMBRYOLOGY, GENETICS AND HISTOLOGY

Wednesday, April 03, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

Answer ALL the questions.

1. Describe the formation of placenta. Discuss its developmental anomalies. Add a note on chorionic villus sampling.
(35 marks)
2. Describe the microscopic structure of the liver and correlate with its function.
(35 marks)
3. **Write short notes on:**
 - 3A. Mitochondria
 - 3B. Development of inferior venacava
 - 3C. Onco-genes

(10×3 = 30 marks)



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MANIPAL UNIVERSITY

MD (ANATOMY) DEGREE EXAMINATION – APRIL 2013

SUBJECT: PAPER III: NEUROANATOMY

Thursday, April 04, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

1. Describe the nuclei and connections of cerebellum. Discuss the cerebellar lesions. (35 marks)
2. Describe the reticular formation. (35 marks)
3. **Write short notes on:**
 - 3A. Lateral ventricles
 - 3B. Spinal Pia
 - 3C. Lateral and medial medullary syndrome(10×3 = 30 marks)



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MANIPAL UNIVERSITY

MD (ANATOMY) DEGREE EXAMINATION – APRIL 2013

SUBJECT: PAPER IV: APPLIED ANATOMY INCLUDING RADIOLOGICAL
ANATOMY AND RECENT ADVANCES

Friday, April 05, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

Answer ALL the questions.

1. Describe the intracranial and extracranial course of the facial nerve. Add a note on the lesions.
(35 marks)
2. Describe the surgical anatomy of the venous drainage of the lower limb.
(35 marks)
3. **Write short notes on:**
 - 3A. Piriform fossa
 - 3B. Stem cell culture
 - 3C. Barium enema

(10×3 = 30 marks)

