

MANIPAL UNIVERSITY**M.Sc. MEDICAL (FINAL) ANATOMY DEGREE EXAMINATION – JULY 2012****PAPER I: GROSS ANATOMY, APPLIED ANATOMY AND MORPHOLOGY**

Thursday, July 12, 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 muscles of mastication in terms of the origin, insertion, nerve supply and actions.
(25 marks)
2. Describe the caecum in terms of position, relations, interior, types and blood supply.
(25 marks)
3. Describe in detail bronchopulmonary segments. Add a note on its clinical importance.
(25 marks)
4. **Write short notes on:**
 - 4A. Nasal septum
 - 4B. Solons muscle
 - 4C. Spermatic cord
 - 4D. Carotid sheath
 - 4E. Midpalmar space

(5×5 = 25 marks)



MANIPAL UNIVERSITY**M.Sc. MEDICAL (FINAL) ANATOMY DEGREE EXAMINATION – JULY 2012****PAPER II: EMBRYOLOGY, HISTOLOGY AND GENETICS**

Friday, July 13, 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, fate and anomalies of aortic arch arteries. (25 marks)

2. Describe the histology of bone. (25 marks)

3. Describe the development and microscopic structure of lungs. (25 marks)

4. **Write short notes on:**

4A. Anomalies of placenta

4B. Klinefelter's syndrome

4C. Microscopic structure of suprarenal gland

4D. Descent of testis

4E. Metachromasia

(5×5 = 25 marks)



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

Saturday, July 14, 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 arterial supply of the brainstem and its applied aspects. (25 marks)
2. Describe the peripheral parasympathetic ganglia. (25 marks)
3. Describe the internal capsule and its applied aspects. (25 marks)
4. **Write short notes on:**
 - 4A. Electro Encephalography
 - 4B. Intracerebellar nuclei
 - 4C. Papez Circuit
 - 4D. Lateral geniculate body
 - 4E. Third ventricle

(5×5 = 25 marks)

