

MANIPAL UNIVERSITY**M.Sc. MEDICAL (FINAL) ANATOMY DEGREE EXAMINATION – FEBRUARY 2014**
PAPER I: GROSS ANATOMY, APPLIED ANATOMY AND MORPHOLOGY

Monday, February 03, 2014

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. Name the major peritoneal recesses. Describe in detail lesser sac. Discuss its applied aspects.
(25 marks)

2. Describe intrinsic muscles of larynx. Add a note on its applied aspects.
(25 marks)

3. Describe in detail palatine tonsil. Add a note on its applied aspects.
(25 marks)

4. Write short notes on:

4A. Thoracolumbar fascia

4B. Arterial anastomosis around elbow joint

4C. Mastoid antrum

4D. Interatrial septum

4E. Medial longitudinal arch of foot

(5×5 = 25 marks)



MANIPAL UNIVERSITY**M.Sc. MEDICAL (FINAL) ANATOMY DEGREE EXAMINATION – FEBRUARY 2014**
PAPER II: EMBRYOLOGY, HISTOLOGY AND GENETICS

Tuesday, February 04, 2014

Time: 14:00 – 17:00 Hrs.

Maximum Marks: 100

✍ **Answer ALL the questions.**

✍ **Illustrate your answers with neatly drawn and correctly labeled diagrams wherever appropriate.**

1. Describe the development of amniotic cavity, bilaminar germ disc, the yolk sac, extraembryonic mesoderm, the extra embryonic coelom and the connecting stalk.
2. Illustrate with diagrams the development of the face and palate, describing the embryological basis of cleft palate and cleft lip.
3. Describe the histology of liver and correlate with its function.

(25×3 = 75 marks)

4. **Write short notes on:**

- 4A. Trisomy 21
- 4B. Mendel laws
- 4C. Introns and exons
- 4D. Lysosomes
- 4E. Lymphocytes

(5×5 = 25 marks)




MANIPAL UNIVERSITY**M.Sc. MEDICAL (FINAL) ANATOMY DEGREE EXAMINATION – FEBRUARY 2014****PAPER III: NEUROANATOMY AND RECENT ADVANCES**

Wednesday, February 05, 2014

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 Sulci and Gyri on the superolateral surface of cerebrum. Add a note on the functional areas.
2. Describe the reticular formation, its connections and applied aspects.
3. Describe the anatomy and applied aspects of lateral ventricle.

(25×3 = 75 marks)

4. Write short notes on:

- 4A. Red nucleus
- 4B. Lateral geniculate body
- 4C. Fornix
- 4D. Subarachnoid cisterns
- 4E. Inferior cerebellar peduncle

(5×5 = 25 marks)

