

M. Sc. (FINAL) ANATOMY DEGREE EXAMINATION – JULY 2005

PAPER I: GROSS ANATOMY, APPLIED ANATOMY AND MORPHOLOGY

Monday, July 04, 2005

Time available: 3 Hours

Maximum Marks: 100

✍ Answer all the questions.

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

1. Discuss the superior mediastinum, under boundaries, contents, relations and development of arch of aorta.

(25 marks)

2. Describe the anal canal, its extent, internal features, blood supply and applied aspects.

(25 marks)

3. Describe the tongue in terms of the mucous membrane, musculature, blood supply, lymphatic drainage, and nerve supply on the basis of development.

(25 marks)

4. Write short notes on:

4A. Ansa cervicalis

4B. Popliteus muscle

4C. Spermatic cord

4D. Nasal septum

4E. Inferior constrictor of pharynx

(5 × 5 = 25 marks)



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PAPER II: EMBRYOLOGY, HISTOLOGY AND GENETICS

Tuesday, July 05, 2005

Time available: 3 Hours

Maximum Marks: 100

✍ **Answer all the questions.**

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

1. Describe the development of ovary. Discuss the congenital anomalies.

(25 Marks)

2. Discuss the development of face and congenital anomalies.

(25 Marks)

3. Give the histology of liver and correlate with its function.

(25 Marks)

4. Write short notes on:

4A. Barr bodies

4B. Histology of loose areolar tissue

4C. X linked inheritance

4D. Development and histology of tongue

4E. Golgi apparatus

(5×5 = 25 Marks)



MANIPAL ACADEMY OF HIGHER EDUCATION

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PAPER III: NEUROANATOMY AND RECENT ADVANCES

Wednesday, July 06, 2005

Time available: 3 Hours

Maximum Marks: 100

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- ✍ **Answer all the questions.**
✍ **Illustrate your answers with neatly drawn and correctly labelled diagrams wherever appropriate.**

1. Describe the nuclei and connections of cerebellum. (25 Marks)

2. Describe the metathalamus. Discuss the lateral lemniscus. (25 Marks)

3. Describe the nucleus, course and distribution of oculomotor nerve. (25 Marks)

4. Write shorts notes on:

4A. Pineal gland

4B. Neuro biotaxis

4C. Fornix

4D. Substantia nigra

4E. Cloning

(5 × 5 = 25 Marks)

