

M. Sc. (FINAL) ANATOMY DEGREE EXAMINATION – JUNE 2004

PAPER I: GROSS ANATOMY, APPLIED ANATOMY AND MORPHOLOGY

Tuesday, June 22, 2004

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.**
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1. Describe the arterial supply and venous drainage of heart. Also add a note on its nerve supply and applied aspects.

(25 marks)

2. Describe the formations of rectus sheath at various levels. Discuss the contents.

(25 marks)

3. Describe the extra-ocular muscles, in terms of their attachments, nerve supply and actions.

(25 marks)

4. Write short notes on:

4A. Middle meatus of the nasal cavity

4B. Dorsalis Pedis Artery

4C. Inguinal ligament

4D. Otic ganglion

4E. Styloid process.

(5 × 5 = 25 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

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PAPER II: EMBRYOLOGY, HISTOLOGY AND GENETICS

Wednesday, June 23, 2004

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.**
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1. Describe the microscopic structure of the Uterus. Discuss the changes in its structure under the effect of various hormones.

(25 Marks)

2. Discuss in detail the formation and fate of intraembryonic mesoderm.

(25 Marks)

3. Describe the histology of Kidney.

(25 Marks)

4. Write short notes on:

4A. Mesonephric duct

4B. Optic cup

4C. Neural crest

4D. Microscopic structure of Adrenal gland

4E. Microscopic structure of Large sized vein.

(5×5 = 25 Marks)



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PAPER III: NEUROANATOMY AND RECENT ADVANCES

Thursday, June 24, 2004

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.**
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1. Describe the internal capsule in detail, including the applied aspects. (25 Marks)

2. Describe the lateral ventricle including its applied aspects. (25 Marks)

3. Describe the nuclei, course and distribution of Facial Nerve. (25 Marks)

4. Write shorts notes on:

4A. Lateral sulcus

4B. Red nucleus

4C. Speech areas of the brain

4D. Choroid plexus

4E. Basilar artery.

(5 × 5 = 25 Marks)

