

MANIPAL UNIVERSITY

FIRST YEAR B.Sc. R.T./ B.Sc. M.I.T. DEGREE EXAMINATION – AUGUST 2008

SUBJECT: ANATOMY

Tuesday, August 19, 2008

Time: 1½ Hrs.

Max. Marks: 40

✍ Answer all the questions.

✍ Draw neat labeled diagram wherever necessary.

1. Name the parts of large intestine. Give an account of appendix.

(2+6 = 8 marks)

2. Name the parts of the respiratory system. Give an account of the interior of the larynx.

(2+6 = 8 marks)

3. Answer briefly on:

3A. Ureter

3B. Labeled diagram showing sagittal section of eyeball

3C. Suprarenal gland

3D. Right ventricle.

3E. Typical synovial joint

3F. Testis

3G. Brainstem

3H. Functional areas of cerebrum.

(3×8 = 24 marks)



MANIPAL UNIVERSITY

FIRST YEAR B.Sc. R.T. DEGREE EXAMINATION – AUGUST 2008

SUBJECT: PHARMACOLOGY

Wednesday, August 20, 2008

Time: 3 Hrs.

Max. Marks: 80

✍ **Answer ALL questions.**

- 1A. Define a general anaesthetic.
- 1B. List TWO classes of general anaesthetic with FOUR examples for each.
- 1C. Write briefly on spinal anaesthesia.

(2+5+3 = 10 marks)

2. Explain the following terms with suitable examples.

- 2A. First pass metabolism.
- 2B. Idiosyncrasy.
- 2C. Diffusion hypoxia.
- 2D. Orthostatic hypotension.

(3×4 = 12 marks)

3. Give pharmacological basis for the following.

- 3A. Low dose aspirin in myocardial infarction.
- 3B. Mannitol in acute congestive glaucoma.
- 3C. Tetracyclines are contraindicated in children.
- 3D. Disodiumchromoglycate as a prophylactic agent in asthma.

(3×4 = 12 marks)

4. Answer the following:

4A. Classify glucocorticoids with examples. Mention TWO uses and TWO adverse effects of the same.

(5 marks)

4B. List FOUR aminoglycosides. Mention TWO uses and TWO adverse effects of any ONE.

(4 marks)

4C. Enumerate FOUR drugs used in the treatment of angina pectoris. Explain briefly the mechanism of action of any ONE.

(4 marks)

4D. Classify antihistamines with TWO examples. Write TWO uses and TWO adverse effects of any ONE. Mention TWO advantages of newer antihistamines.

(7 marks)

5. Write briefly on:

- 5A. Intramuscular route of drug administration.
- 5B. Thiazides.
- 5C. Propranolol

(4×3 = 12 marks)

6. Give TWO examples with TWO uses for the following.

- 6A. Fibrinolytics.
- 6B. Beta 2 agonists
- 6C. ACE-Inhibitors.
- 6D. Hypnotics.
- 6E. Macrolides.

(2×5 = 10 marks)

7. Outline the management of organophosphorous poisoning.

(4 marks)

