

## MANIPAL UNIVERSITY

FIRST SEMESTER B.P.T. (BRIDGE PROGRAM) EXAMINATION – OCTOBER 2014

SUBJECT: PHARMACOLOGY  
(AUGUST 2013 REGULATION)

Tuesday, October 07, 2014

Time: 10:00 - 11:30 Hrs.

Max. Marks: 40

1. Define the following terms with an example for each:

- 1A. Idiosyncrasy
- 1B. Chemoprophylaxis
- 1C. Trade name of a drug

(2 marks × 3 = 6 marks)

- 2A. List two advantages and two disadvantages of intravenous route of drug administration.
- 2B. List two differences between aspirin and paracetamol.
- 2C. List four drugs used in short course chemotherapy for tuberculosis.

(2+2+2 = 6 marks)

3. Explain the pharmacological basis for the following:

- 3A. Morphine is contraindicated in patients with head injury.
- 3B. Sublingual nitroglycerine is used in terminating acute angina attack.
- 3C. Ethanol is used in the treatment of methanol poisoning.
- 3D. Allopurinol is used in chronic gout.

(2 marks × 4 = 8 marks)

4. Describe the mechanism of action of the following drugs and list two therapeutic uses for each:

- 4A. Metoclopramide
- 4B. Amoxicillin
- 4C. Lignocaine
- 4D. Nifedipine

(3 marks × 4 = 12 marks)

5. List two drugs used in the following conditions:

- 5A. Congestive heart failure
- 5B. Bronchial asthma
- 5C. Myaesthesia gravis
- 5D. Peptic ulcer

(1 mark × 4 = 4 marks)

6. Mention one example and one therapeutic use of the following classes of drugs:

6A. Macrolides

6B. Anthelmintics

6C. Glucocorticoids

6D. Haematinics

(1 mark  $\times$  4 = 4 marks)



Reg. No.

**MANIPAL UNIVERSITY**

**FIRST SEMESTER B.P.T. (BRIDGE PROGRAM) EXAMINATION – OCTOBER 2014**

**SUBJECT: ELECTRODIAGNOSIS  
(AUGUST 2013 REGULATION)**

Thursday, October 09, 2014

Time: 10:00-11:30 Hrs.

Max. Marks: 40

✍ **Answer ALL questions.**

✍ **Essay question:**

1. Explain the principles and procedures for motor nerve conduction study.

(4+6 = 10 marks)

2. **Write short answers:**

2A. Discuss about processing units of electro diagnostic testing.

2B. Discuss about blink reflex.

2C. Discuss about the minimal and maximal volitional stages of EMG activity.

2D. Discuss about the indications, advantages and disadvantages of EMG biofeedback.

(5 marks × 4 = 20 marks)

3. **Write briefly:**

3A. Mention any four differences between H reflex and F wave.

3B. Mention any four factors affecting the nerve conduction studies.

3C. Define axon reflex.

3D. Define orthodromic and antidromic conduction.

3E. Define FG test.

(2 marks × 5 = 10 marks)



**MANIPAL UNIVERSITY****FIRST SEMESTER B.P.T. (BRIDGE PROGRAM) EXAMINATION – OCTOBER 2014****SUBJECT: ETHICS/ADMINISTRATION AND TEACHING SKILLS  
(AUGUST 2013 REGULATIONS)**

Saturday, October 11, 2014

Time: 10:00-11:30 Hrs.

Max. Marks: 40

**✍ Answer ALL questions.****✍ Essay Questions:**

1. Explain ethical principles of WCPT. Elaborate the rules of ethics laid down by the World Confederation of Physical Therapists (WCPT).

(10 marks)

**2. Short Notes:**

- 2A. Explain the ethical issues during treatment of elderly.  
2B. Add a note on Consumer Protection Act.  
2C. Explain the advantages and disadvantages of Delegation of work.  
2D. Explain the ethical issues faced by the student.

(5 marks × 4 = 20 marks)

**3. Brief Answers:**

- 3A. Write on the importance for an appropriate staff: patient ratio.  
3B. Highlight two important problems faced by therapists in independent practice.  
3C. Mention any two importance of Documentation/Patient filling.  
3D. What is euthanasia?  
3E. Mention the four steps involved in procuring new equipment.

(2 marks × 5 = 10 marks)

