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MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER M.Sc. (MEDICAL PHARMACOLOGY) DEGREE EXAMINATION – JANUARY 2021

SUBJECT: CNS (MPH 701)

Monday, January 25, 2021

Time: 14:00 – 16:30 Hrs.

Maximum Marks: 50

✍ Answer ALL the questions.

✍ Long Essays:

1. Explain the mechanism of action, pharmacological actions, therapeutic uses and adverse effects of diazepam.

(2+2+4+2 = 10 marks)

2. Explain the pharmacological actions and the salient pharmacokinetic features of ethyl alcohol. Write a brief note on the treatment of alcohol dependence.

(4+3+3 = 10 marks)

3. Write short notes on:

3A. Advantages and disadvantages of nitrous oxide

3B. Mechanism of action of drugs used in petit mal epilepsy

3C. Endogenous opioid peptides

3D. Mechanism of action and adverse effects of haloperidol

3E. Nonbiological Disease modifying antirheumatic drugs

3F. Levodopa-Carbidopa combination

(5 marks × 6 = 30 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION
THIRD SEMESTER M.Sc. (MEDICAL PHARMACOLOGY) DEGREE
EXAMINATION – JANUARY 2021

SUBJECT: GIT, RS & AUTACOIDS (MPH 703)

Wednesday, January 27, 2021

Time: 14:00 – 16:30 Hrs.

Maximum Marks: 50

✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. Explain the pharmacological actions and pathophysiological roles of prostaglandins. Mention their therapeutic uses.

(8+2 = 10 marks)

2. Classify the drugs used in the treatment of peptic ulcer with suitable examples. Explain the mechanism of action, adverse effects and drug interactions of any one group of drugs.

(4+2+2+2 = 10 marks)

3. **Write short notes on:**

3A. Ondansetron.

3B. Rifaximin.

3C. Role of corticosteroids in inflammatory bowel disease.

3D. Mast cell stabilizers.

3E. Opioids in pharmacotherapy of cough.

3F. Therapeutic uses of H1 antihistaminics

(5 marks × 6 = 30 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION
THIRD SEMESTER M.Sc. (MEDICAL PHARMACOLOGY) DEGREE
EXAMINATION – JANUARY 2021

SUBJECT: EXPERIMENTAL PHARMACOLOGY (MPH 705)

Thursday, January 28, 2021

Time: 14:00 – 16:30 Hrs.

Maximum Marks: 50

☞ **Answer ALL the questions.**

☞ **Long Essays:**

1. Explain the importance and method of conducting acute toxicity studies in animals.
(10 marks)

2. Explain the screening methods for evaluation of antidiabetic activity of a drug.
(10 marks)

3. **Write short notes on:**

3A. Methods of euthanasia in animals.

3B. Types of breeding in laboratory animals.

3C. Oxytocin bioassay.

3D. Forced Swim test.

3E. ELISA.

3F. Composition and role of Animal Ethics Committee.

(5 marks × 6 = 30 marks)

