Registration No: -

Total Number of Pages:02   **B.Pharm**
                                                                        15PH504

5ᵗʰ Semester Back Examination: 2019
PHARMACOLOGY-I
BRANCH: B.PHARMA
Max Marks: 100
Time: 3 Hours
Q.Code: HB377
Answer Question No.1 (Part-1) which is compulsory, any eight from Part-II and any two from Part-III.
The figures in the right hand margin indicate marks.
Part- I

Q1 Only Short Answer Type Questions (Answer All-10)   **(02x10)**
a) Define dependence. Name two examples of drugs causing dependence.

b) Write the disadvantages of oral route of administration.

c) Aspirin is a prodrug. Justify it.

d) Define CNS stimulant with two examples.

e) Give any two examples of nasal decongestants.

f) Write various types of adrenergic receptors with their location.

g) What is general anesthesia? Give any two examples of the drugs.

h) Give examples of two irreversible cholinesterase inhibitors.

i) Define bioavailability and mention its significance.

j) Why Levodopa used in combination with Carbidopa in Parkinsonism?

Part- II

Q2 Only Focused-Short Answer Type Questions- (Answer Any Eight out of Twelve)   **(06x08)**
a) Give a short note on different parenteral routes of administration.

b) Describe the process of neurohumoral transmission.

c) Explain about various route of excretion of drugs.

d) Write the classification of Anticholinergic drugs with examples.

e) What is hypnotic and sedatives? Classify the drugs with two examples.

f) Define Local anesthesia. Write their mechanism of action.

Write the classification of antidepressants with examples. Explain the mechanism of action

g) of Tricyclic Antidepressants.

h) Give a short note on skeletal muscle relaxants.

i) Define and classify receptors. Explain about Ion channel receptors with examples.

j) Define and classify NSAIDs. Write the pharmacological action and uses of aspirin.

k) Write the classification of drugs used in Parkinsonism with examples.

l) Give a note on various factors affecting absorption of drugs.

Part-III

Only Long Answer Type Questions (Answer Any Two out of Four)   **(02X16)**

Q3   Define Biotransformation. Describe various types of biotransformation with examples.

Q4   Classify cholinergic drugs. Write the Pharmacological actions of acetylcholine.

Q5   Classify antiepileptic drugs. Write the mechanism of action, adverse effect of Phenytoin

Q6   Define Opioid analgesics. Write the mechanism of action, adverse effect of morphin.