

Roll No

PY-505

B.Pharm. V Semester

Examination, December 2016

Pharmacology - II

Time : Three Hours

Maximum Marks : 70

- Note:** i) Answer five questions. In each question part A, B, C is compulsory and D part has internal choice.
ii) All parts of each question are to be attempted at one place.
iii) All questions carry equal marks, out of which part A and B (Max. 50 words) carry 2 marks, part C (Max. 100 words) carry 3 marks, part D (Max. 400 words) carry 7 marks.
iv) Except numericals, Derivation, Design and Drawing etc.

1. a) Write the names of cholinergic receptors found in CNS.
b) Write any two names of serotonin receptors agonist.
c) Write the steps of synthesis of catecholamines.
d) Write a note on dopaminergic neurotransmission in the brain.

OR

Write a short note on serotonergic neurotransmission in the brain.

2. a) Mention any two centrally acting muscle relaxants.
b) Define the Minimal Alveolar Concentration (MAC).
c) Write down the properties of an ideal anaesthetic.
d) Define the sedative and hypnotic, classify the sedative-hypnotic drugs and give pharmacological properties of benzodiazepines.

OR

What is Anxiety? Classify the anti-anxiety agents and discuss role of Benzodiazepines in anxiety.

3. a) What are Hallucinogens, give the example of Hallucinogens.
b) Write the Extra-pyramidal symptoms.
c) What is Tranquillizer, write the difference between major and minor Tranquillizer.
d) Briefly explain the pharmacological actions of Tricyclic Antidepressants (TCAs).

OR

What is the Schizophrenia, classify the antipsychotic drugs and write a note on haloperidol.

4. a) Give examples any two drugs which inhibit the T-type Ca^{2+} current.
b) Write the mechanism of action of Gabapentin and Tiagabine.
c) What is Epilepsy? Classify the type of Epilepsies.
d) Classify the antiepileptic drugs and give the pharmacological properties phenobarbitone.

OR

Write in brief pharmacological account of the phenytoin.

5. a) What is Algesia?
b) Write the source and name of opioid analgesics.
c) Write the names of endogenous opioid peptides.
d) Describe in brief about opioid receptors. Write a note on opioid agonist.

OR

Write short note on Morphine.
