

PY - 505

B.Pharmacy V Semester

Examination, December 2014

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) Define general anaesthetics.
b) Write properties of an ideal anaesthetics agent.
c) Describe various stages of general anaesthetics.
d) Classify general anaesthetics. Explain inhalation general anaesthetic agents.

OR

Describe complications of general anaesthesia.

2. a) Enumerate various neurotransmitters in CNS.
b) Differentiate between Sedatives and Hypnotics.
c) Explain sleep cycle.
d) Classify sedatives and hypnotics. Describe mechanism of action and adverse effects of Barbiturates.

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OR

Write adverse effects, interactions and therapeutic uses of Benzodiazepines.

3. a) What do you mean by endogenous opioid receptors? Write their name.
b) Differentiate between opioid and non-opioid analgesics.
c) Explain properties of various types of opioid receptors.
d) Write a note on opioid antagonist.

OR

Classify opioid analgesics. Write pharmacological action, adverse effects and uses of Morphine.

4. a) What do you mean Alzheimer's diseases?
b) Write examples of Dopaminergic agonist drugs used in Parkinsonism.
c) Explain Parkinsonism disease.
d) Classify antiparkinsonian drugs. Explain Levodopa.

OR

Write mechanism of action and adverse effects of following

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|-----------------|-------------------|
| i) Selegiline | ii) Bromocriptine |
| iii) Amantadine | iv) Carbidopa |

5. a) Define Zollinger-Ellison syndrome.
b) What do you mean by gastroesophageal reflux disease (GERD)?
c) Describe regulation of gastric acid.
d) Explain approaches for the treatment of peptic ulcer. Describe proton pump inhibitors.

OR

Classify antiemetics. Describe 5-HT₃-antagonist as antiemetic.