

III B. Pharmacy I Semester Regular/Supplementary Examinations, Oct/Nov - 2017
PHARMACOLOGY-I

Time: 3 hours

Max. Marks: 70

Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)
2. Answering the question in **Part-A** is Compulsory
3. Answer any **THREE** Questions from **Part-B**

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**PART -A**

1. a) Write the stages of general anaesthesia. (3M)
- b) Write briefly about surmountable and insurmountable antagonism. (4M)
- c) Write the pharmacological actions of ganglionic blocking agents. (3M)
- d) Write the role of prostaglandins and NSAIDs in pyrexia, pain and inflammation. (4M)
- e) Write notes on CNS stimulants. (4M)
- f) Write the role of leptin hormone in appetite stimulation and inhibition. (4M)

**PART -B**

2. a) Describe principles of drug discovery and development of new drugs. (8M)
- b) Describe pharmacokinetics and pharmacodynamics. (8M)
3. a) Classify parasympathomimetics and sympathomimetics and describe actions of neuromuscular blocking agents. (8M)
- b) Describe neurohumoral transmission in peripheral nervous system. (8M)
4. a) Classify general anaesthetics and describe pharmacology of barbiturates and benzodiazepines. (8M)
- b) Describe pharmacology of antipanic agents and write the mode of action of disulfiram. (8M)
5. a) Classify anaesthetics and describe pharmacology of local anaesthetics. (8M)
- b) Define and classify NSAIDs and explain therapeutic uses and adverse drug reactions of NSAIDs and opioid analgesics. (8M)
6. a) Describe pharmacology of neuroleptics and antidepressants. (8M)
- b) Describe pharmacological aspects of CNS stimulants and write briefly about drug addiction with one example. (8M)
7. a) Classify antipeptic ulcer agents and describe pathophysiological events of peptic ulcer. (8M)
- b) Describe pharmacology of emetics and antiemetics. (8M)

