

Day : Monday
Date : 19/11/2018

W-2018-4137

Time : 10.00 A.M. TO 01.00 P.M.
Max. Marks : 80

N.B.:

- 1) **Q.No.1 and Q.No.5 are COMPULSORY.** Out of remaining questions attempt **ANY TWO** questions from each section.
- 2) Answers to both the sections should be written in the **SEPARATE** answer books.
- 3) Draw neat and labeled diagrams **WHEREVER** necessary.
- 4) Figures to the right indicate **FULL** marks.

SECTION - I

- Q.1** Attempt **ANY FIVE** of the following: **[10]**
- a) Define general anesthetics and minimal alveolar concentration.
 - b) Classify antianxiety drugs.
 - c) Classify anti-Parkinson's drug.
 - d) Classify local anesthetic drugs.
 - e) Enlist the CNS stimulant drugs. Explain mechanism of amphetamine.
 - f) Explain the mechanism of diazepam.
- Q.2** a) Classify general anesthetic drugs and explain the pharmacology of liquid anesthetics. **[08]**
b) What is the mechanism of action, pharmacological actions, adverse effects and therapeutic uses of Morphine? **[07]**
- Q.3** a) Classify sedative hypnotic drugs and explain in detail pharmacology of barbiturates. **[08]**
b) Give pharmacological actions, uses and adverse effects of local anesthetics. **[07]**
- Q.4** Write short notes on **ANY THREE** of the following: **[15]**
- a) Preanesthetic medications
 - b) Selective serotonin reuptake inhibitors
 - c) Anti-mania drugs
 - d) MAO inhibitors

SECTION - II

- Q.5** Attempt **ANY FIVE** of the following: **[10]**
- a) Enlist the actions of prostaglandins in smooth muscles.
 - b) Enlist the role of thromboxane in CVS.
 - c) Name the receptors of Leukotriene.
 - d) Name non-selective COX - 2 inhibitors.
 - e) Enlist the measures to remove unabsorbed poison from GIT.
 - f) Enlist the symptoms of lead poisoning.
- Q.6** a) Classify NSAIDs. Explain the pharmacology of selective COX - 2 inhibitors. **[08]**
b) Define chronic gout. Explain the pharmacology of uricosuric agents. **[07]**
- Q.7** a) Explain in detail the signs, symptoms and treatment of barbiturate poisoning. **[08]**
b) Classify poisons. Explain in detail the antidotes used in treatment of poisoning. **[07]**
- Q.8** Write short notes on **ANY THREE** of the following: **[15]**
- a) Clinical application of prostaglandins
 - b) Uses of salicylates
 - c) Acute Gout
 - d) Treatment of insecticide poisoning