

Day: Friday
Date: 03/05/2019

S-2019-4452

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 attempt **ANY TWO** questions from each section
- 2) Both the section should be written in **SEPARATE** answer book.
- 3) Figures to the right indicate **FULL** marks.

SECTION -I

- Q.1** Answer **ANY FIVE** of the following: (10)
- a) Explain the mechanism of action of nitric oxide.
 - b) Enlist the techniques of administration of local anesthetics.
 - c) Classify local anaesthetics.
 - d) Differentiate grandmal and petitmal epilepsy.
 - e) Explain the mechanism and clinical uses of amphetamine.
 - f) What are Cognition enhancers?
 - g) Define sedative and hypnotics.
- Q.2** a) Classify sedatives and hypnotics. Compare the mechanism of action, therapeutic effects, adverse effect and contraindications of barbiturates and benzodiazepines. (08)
- b) Classify anti-epileptic drugs. Explain the pharmacology of Phenytoin. (07)
- Q.3** a) Classify general anaesthetics. Explain the pharmacology of parenteral anaesthetics. (08)
- b) Classify antipsychotic drugs. Explain the pharmacology of phenothiazine. (07)
- Q.4** Write short notes on **ANY THREE** of the following (15)
- a) Opioid analgesics
 - b) Mood stabilizing agents
 - c) MAO inhibitors
 - d) Stages of general anaesthesia

SECTION-II

- Q.5** Attempt **ANY FIVE** of the following (10)
- a) What are prostaglandins? Enlist their types
 - b) Describe the synthesis of prostaglandins.
 - c) Define antipyretics. Give suitable examples.
 - d) Describe the mechanism of action of probenecid
 - e) What are selective COX-2 inhibitors? Give suitable examples.
 - f) Enlist the signs and symptoms of insecticide poisoning.
 - g) Enlist the adverse effects of NSAIDs
- Q.6** a) Classify anti-inflammatory drugs. Discuss the pharmacology of aspirin. (08)
- b) Enlist the heavy metals causing poisoning. Describe in details sign and symptoms and management of arsenic poisoning. (07)
- Q.7** a) Enlist the drugs used for treatment of gout. Explain in detail pharmacology of colchicines. (08)
- b) Describe the principles of treatment of acute toxicity and poisoning. (07)
- Q.8** Write short notes on **ANY THREE** of the following (15)
- a) Disease modifying antirheumatic drugs (DMARDs)
 - b) Leukotrienes
 - c) Steroidal anti-inflammatory drugs
 - d) Treatment of lead poisoning