

T.Y.B.PHARM. SEMESTER-VI (CBCS - 2015 COURSE) :

SUMMER - 2018

SUBJECT: MEDICINAL CHEMISTRY-II

Day: Friday
Date: 20/04/2018

S-2018-3933

Time: 10.00 AM TO 01.00 PM
Max. Marks: 60

N.B:

- 1) Q. No. 1 and Q. No. 5 are **COMPULSORY**. Out of the remaining attempt **ANY TWO** questions from each Section.
- 2) Answer to the both sections should be written in **SEPARATE** answer book.
- 3) Figures to the right indicate **FULL** marks.

SECTION -I

- Q.1** Attempt **ANY FIVE** of the following: (10)
- a) Mention similarities & difference between barbitures & benzodiazepines.
 - b) Write therapeutic applications of non barbiturates.
 - c) Write physiology of sleep.
 - d) Outline scheme of synthesis of Methohexital Sodium.
 - e) Draw Structure mention category of Amobarbital & Propofol
 - f) Draw Structure mention category IUPAC of Triazolam & Oxazepam.
- Q.2** a) Discuss SAR of Sedatives & Hypnotics with Classification. (07)
b) Define metabolism. Write a note on Phase II metabolic pathways with examples. (03)
- Q.3** a) Write types of epilepsies with note on chemistry of oxazolidinediones & hydantoins. (07)
b) State ideal properties of general anesthetics with its MOA. (03)
- Q.4** Write short notes on **ANY TWO** of the following: (10)
- a) Antiparkinson's agents.
 - b) Factors affecting metabolism.
 - c) Outline scheme of synthesis of Thiamylal sodium & Ketamine Hydrochloride.

SECTION -II

- Q.5** Attempt **ANY FIVE** of the following: (10)
- a) Draw Structure mention category of Desipramine & Clozapine.
 - b) State uses of diphenylbutyl piperidines.
 - c) Write biogenic theory of depression.
 - d) Draw Structure mention category IUPAC of Dibucaine & Chlorpromazine.
 - e) Outline scheme of synthesis of lignocaine.
 - f) Comment on anxiolytics.
- Q.6** a) What are local anesthetics? Give chemical classification with example. Explain SAR with examples. (07)
b) Discuss about non barbiturates. (03)
- Q.7** a) Classify antipsychotics. Write classification & SAR with examples. (07)
b) Write a note on COMT inhibitors. (03)
- Q.8** Write short notes on **ANY TWO** of the following: (10)
- a) MAO inhibitors Chemistry & SAR.
 - b) Classification of prodrugs.
 - c) Outline scheme of synthesis Meprobamate & Doxepin.