

**T.Y.B.PHARM. SEMESTER-VI (CBCS - 2015 Course) : WINTER -
2018**

SUBJECT: MEDICINAL CHEMISTRY-II

Day: Monday
Date: 12/11/2018

W-2018-4091

Time: 10.00 A.M. TO 01.00 P.M.
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) Draw Structure of any two triazobenzodiazepines.
 - b) Draw Structure mention category and IUPAC name of Pentobarbitone & Halothane.
 - c) Differentiate between local anaesthetics & general anaesthetics.
 - d) Why unsaturated barbituric acid is devoid of activity.
 - e) Draw Structure mention category of Oxazepam & Barbituric acid.
 - f) Outline route of synthesis of Thiamylal sodium.
- Q.2** a) Discuss in detail; with examples chemistry of general anaesthetics. **(07)**
b) Write with examples GSH conjugation. **(03)**
- Q.3** a) Classify drugs used in epilepsy. Write SAR of Hydantoins & Barbiturates. **(07)**
b) Discuss chemistry of benzodiazepines as sedatives & hypnotics. **(03)**
- Q.4** Write short notes on **ANY TWO** of the following: **(10)**
- a) Antiparkinson's Agents.
 - b) Preanesthetic medication.
 - c) Outline scheme of synthesis of Phenytoin & Phensuximide.

SECTION -II

- Q.5** Attempt **ANY FIVE** of the following: **(10)**
- a) Draw Structure mention category with IUPAC of Mesoridazine & Butacaine.
 - b) Draw Structure mention category of Chlorprothixene & thioridazine.
 - c) Write classification of antidepressants.
 - d) State characteristics of prodrugs.
 - e) Classify drugs used in Alzheimer's disease.
 - f) Outline scheme of synthesis of Imipramine.
- Q.6** a) Discuss classification of local anesthetics with a note on SAR of Cocaine & Isogramine. **(07)**
b) Write chemistry & SAR of tricyclic antidepressants. **(03)**
- Q.7** a) Classify antipsychotics, discuss chemistry of phenothiazines. **(07)**
b) Discuss modification of butyrophenones for optimum activity. **(03)**
- Q.8** Write short notes on **ANY TWO** of the following: **(10)**
- a) Write applications of Prodrugs.
 - b) Anxiolytics.
 - c) Outline scheme of synthesis of Doxepin & Benzocaine.

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