



MCO-014-003604 Seat No. _____

M. P. M (Sem. VI) (CBCS) Examination

May / June - 2018

Pharmaceutical Chemistry - VIII

(Medicinal Chemistry - II)

Faculty Code : 014

Subject Code : 003604

Time : 3 Hours]

[Total Marks : 80

- Instructions :** (1) Attempt three questions from each section.
(2) Questions 1 and 5 are compulsory.
(3) Figure to the right indicates full marks for the respective question.

SECTION-I

- 1** Answer the following questions : (Any **Seven**) **14**
- (1) Enumerate factors affecting drug metabolism.
 - (2) Explain SAR of Butyrophenones.
 - (3) Explain various stages of general anesthesia.
 - (4) What are cognitive enhancers? Explain its treatment.
 - (5) Explain the term oxytocics.
 - (6) Explain the term DMARDs.
 - (7) Explain the term Hallucinogens.
 - (8) Define: Xenobiotics.
 - (9) Give synthesis of metformin.
 - (10) Give IUPAC name of chlordiazepoxide and amitriptyline.
- 2** (1) Explain Phase I metabolism in detail. **7**
(2) Discuss in detailed SAR of Phenothiazines. **6**

- 3 (1) Explain regulation of thyroid hormones. Discuss treatment for Hyperthyroidism. 7
(2) What is gout? Explain its treatment with suitable examples. 6

- 4 (1) What are NSAIDs? Discuss its classification and mechanism of action. 7
(2) Give SAR of adrenocorticoids. 6

SECTION-II

- 5 Answer the following questions : (Any **Two**) 14
(1) Explain Phase-II glucuronide conjugation in detail with suitable examples.
(2) Discuss treatment of depression. Give SAR of antidepressant drugs.
(3) Write a note on anti-diabetic agents.

- 6 (1) Explain the treatment for Parkinson's disease. Why Carbidopa is given along with levodopa? 7
(2) Give SAR of Morphins and synthesis of pethidine. 6

- 7 (1) SAR of benzodiazepines. Give synthesis of phenytoin. 7
(2) Explain SAR of Estrogen and progesterone. 6

- 8 Answer the following :
(1) Write SAR of local anesthetic agents with respect to benzoic acid and aniline derivatives. 7
(2) Give SAR of Barbiturates. 6