

**M. PHARM. SEM-II (CHOICE BASED CREDIT & GRADE
SYSTEM) : SUMMER - 2019**

SUBJECT : ADVANCE CORE SUBJECT – III : ADVANCED PHARMACOLOGY - III

Day : Thursday
Date : 04/07/2019

Time: 10.00 A.M. TO 01.00 P.M.
max. Marks. 60

S-2019-4485

N.B. :

- 1) Attempt any **THREE** questions from **Section – I** and **Section – II** each.
- 2) Answers to both sections should be written in **SEPARATE** answer books.
- 3) Figures to the right indicate **FULL** marks.

SECTION - I

- Q.1** Describe the transducer mechanism by phospholipase - C:IP3 - DAG. (10)
- Q.2** Classify adrenergic receptors. Explain the importance of drugs acting on adrenergic receptors. (10)
- Q.3** Classify opiate receptors. Explain the role of drugs acting on opiate receptors. (10)
- Q.4** Write notes on any **TWO** of the following: (2 x 5 = 10) (10)
- a) Cytokines
 - b) Purinergic receptors
 - c) Phosphodiesterases

SECTION - II

- Q.5** Explain the mechanism of signaling of glucocorticoid receptor. (10)
- Q.6** Explain in detail the progesterone receptors. (10)
- Q.7** Explain detail the role of chronopharmacology in drug therapy. (10)
- Q.8** Write notes on any **TWO** of the following: (2 x 5 = 10) (10)
- a) Insulin receptors
 - b) Apoptosis
 - c) Gene therapy

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