

QP Code: 107328

Reg. No:

First Year M.Pharm Degree Supplementary Examinations May 2019

(Pharmacology)

Paper III – Recent Advances in Pharmacology

(2012 Scheme)

Time: 3 hrs

Maximum Marks: 100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essays:

(2x20 =40)

1. Discuss the structure and cellular signaling of G protein coupled receptor.
2. What is anti-microbial resistance. Discuss the mechanism of resistance development and its management.

Short Essays:

(6x10=60)

3. What are ion channels and mention examples. Describe briefly on ion channel modulators.
4. Describe the forces involved in drug receptor interactions.
5. Discuss the physiological functions, pharmacological implications and therapeutic potentials of phosphodiesterases.
6. Ethical issues related to human cloning.
7. Discuss the clinical conditions associated with hypersensitivity reactions.
8. Explain the mechanism of chemotherapeutic agents that influences protein synthesis with suitable examples
