

[LO 813]

MAY 2019

Sub. Code: 3813

PHARM. D DEGREE EXAMINATION
(2009-2010 Regulation)
THIRD YEAR
PAPER I – PHARMACOLOGY – II

*Q.P. Code : 383813***Time : Three hours****Maximum : 70 Marks****I. Elaborate on:****(4 x 10 = 40)**

1. Classify Anti-microbial agents based on the mechanism of action. Brief on the spectrum of activity along with the mechanism of action of sulfonamide Antibiotics.
2. Explain the Gene transcription and various factors that regulate gene transcription.
3. Explain protein synthesis, its mechanism and altered gene functions.
4. Classify Anti-tubercular agents and write the mechanism of action therapeutic uses and adverse effects of isoniazid.

II. Write notes on:**(6 x 5 = 30)**

1. Anti-coagulants.
2. Therapeutic uses of ciprofloxacin.
3. Plasma expanders.
4. What are macromolecules and write on their functions?
5. Biosensors.
6. Chronic toxicity studies.
