

[LJ 813]

OCTOBER 2016

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 Aminoglycoside antibiotics. State the Pharmacological actions, mechanism of action and therapeutic uses.
2. Explain the mechanism of action, spectrum of activity, therapeutic uses and adverse reactions of :
a) Ciprofloxacin b) Cefuroxime
3. How cell cycle is regulated? Explain the different phases of cell cycle and factors regulating it.
4. With suitable example, explain Gene transfer in a Plasmid. Add a note on applications of recombinant DNA technology.

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

1. State the mechanism of action and therapeutic uses of
a) Clopidogrel b) Ferrous compounds
2. Classify anticancer drugs based on its mechanism of action with suitable examples.
3. Write the therapeutic uses and adverse reactions
a) Zidovudine b) Metronidazole
4. Biosensors.
5. Give the rationale for the following combination:
a) Sulbactam with Imipenem b) INH, Rifampicin and Ethambutol
6. What is meant by transcription? How it is regulated?
