

[LK 813]

MAY 2017

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. What is the source and mode of transmission of TB? Explain the treatment procedure and precautions to be taken in TB treatment.
2. What are Thiazide Diuretics? Give example. Write the Pharmacological action, therapeutic uses and adverse reactions of any one Thiazide Diuretics.
3. Explain the cell signal transduction pathways involving Kinases.
4. Classify Macrolide antibiotics and Pharmacological actions with uses.

**II. Write notes on:**

**(6 x 5 = 30)**

1. What is Multi Drug Resistance? How it can be controlled?
2. Explain the factors contributing mutations.
3. Write the mechanism of action, therapeutic uses and adverse reactions of:  
a) Methotrexate    b) Cisplatin
4. Write the category and one therapeutic uses of:  
a) Vasopressin    b) Acyclovir    c) Streptokinase  
d) Trastuzumab    e) Norfloxacin
5. Write a note on subacute toxicity studies.
6. Give the rationale for the following combination:-  
a) Amoxicillin with Clavulanic acid.  
b) Trimethoprim with Sulphamethoxazole.

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