

[LD 817]

**OCTOBER 2013**  
**PHARM. D DEGREE EXAMS**  
**THIRD YEAR**  
**PAPER V – MEDICINAL CHEMISTRY**  
*Q.P. Code : 383817*

**Sub. Code: 3817**

**Time : 3 hours**

**Maximum : 70 marks**

**I. Elaborate on :**

**(2x20=40)**

1. What are Tetracyclines and Classify with structural examples for each?  
Discuss briefly SAR, Chemistry and mechanism action of Tetracyclines.
2. a) Classify antitubercular agents.  
b) Give synthesis of any two drugs with mechanism of action.  
c) Explain briefly antiprotozoal agents.

**II. Write notes on :**

**(10x3=30)**

1. What is prodrug? Explain the types of pro drugs with suitable examples
2. Give a method of synthesis of i) Hexachlorophene ii) Halazone
3. Classify anti fungal agents and give their mechanism of action
4. What are urinary tract anti-infectives? Classify them with suitable examples
5. Give the structure and uses of i) INH ii) Ethionamide iii) Pyrazinamide
6. Explain the mechanism of action of Metronidazole
7. Write a short note on HIV protease inhibitors
8. What is Crystalluria? How can it be prevented?
9. Explain the life cycle of malarial parasite
10. Write short notes on polypeptide antibiotics.

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