

PY - 705  
B.Pharmacy VII Semester  
Examination, December 2014  
Pharmacology - IV  
(Clinical and Drug Interactions)  
*Time: Three Hours*  
*Maximum Marks : 70*

*Note :* Attempt any five questions. All questions carry equal marks.

1.    a) What are the problems that can arise with antimicrobial agents. Discuss in general.  
      b) Give the mechanism and spectrum of action of sulphonamide.
2.    a) Discuss first line antitubercular drugs.  
      b) Give mechanism of action, uses and adverse effect of isoniazid.
3.    a) Write a short note on lepra reaction.  
      b) Explain clinical implication, mechanism of drug interaction of ketoconazole with astemizole.
4.    Classify immune suppressants. Explain the mechanism of action, adverse effect and uses of cyclosporine.
5.    Define malignant tumors, sarcoma and carcinoma. Write note on alkylating agents as anticancer drug.
6.    Discuss the therapy in pregnancy with pharmacokinetic and pharmacodynamic consideration.
7.    Write short notes on any two.
  - a)    β lactam antibiotics.
  - b)    Sexually transmitted diseases
  - c)    Individualization of drug therapy