

Total No. of Questions : 6]

SEAT No. : \_\_\_\_\_

P2920

[Total No. of Pages : 2

[5049] - 704

Fourth Year B.Pharm.

**PHARMACOLOGY - IV (Semester - VII)**  
**(2013 Pattern)**

*Time : 3 Hours]*

*[Max. Marks : 70*

*Instructions to the candidates :*

- 1) Answer to the two sections should be written in separate book.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) All questions are compulsory.

**SECTION - I**

**Q1)** Classify antitubercular agents. Explain in detail mode of action, therapeutic uses and adverse effects of streptomycin. [10]

OR

Classify antimarial agents. Explain in detail mode of action, therapeutic uses and adverse effects of chloroquine.

**Q2)** Solve any five. [15]

- a) Explain mode of action of Cotrimoxazole.
- b) Why tetracyclines are contraindicated during pregnancy?
- c) Explain advantages and disadvantages of antimicrobial drug combinations.
- d) What is Lepra reaction?
- e) Explain the mechanism of action and antibacterial spectrum of ciprofloxacin.
- f) Explain therapeutic uses of Immunosuppressants.
- g) Classify cephalosporins with example.

**P.T.O.**

**Q3)** Write short note on any two. [10]

- a) Zidovudine
- b)  $\beta$  lactamase inhibitors
- c) Sulfonamides
- d) Vinca alkaloids

## **SECTION - II**

**Q4)** Classify drugs used in congestive heart failure. Explain pharmacology of Cardiac glycosides. [10]

OR

Classify antiarrhythmic agents. Explain role of calcium channel blockers in management of arrhythmia.

**Q5)** SOLVE ANY FIVE. [15]

- a) Discuss role of antidiuretics.
- b) Discuss role of reactive oxygen intermediates in various disorders.
- c) Explain mode of action and therapeutic uses of Clonidine.
- d) Discuss role of anticoagulants in various disorders.
- e) Explain role of Sodium nitroprusside in hypertensive crisis.
- f) Classify drugs used for atherosclerosis.
- g) Explain mode of action and adverse effects of nitrates.

**Q6)** Write short notes on (ANY TWO) [10]

- a) Scope of safety pharmacology.
- b) Management of myocardial infarction.
- c) Potassium sparing diuretics.
- d) Role of  $\beta$ -blockers in cardiac disorders.

