

Total No. of Questions : 6]

SEAT No. :

P3178

[Total No. of Pages : 2

[5245]-704

**Fourth Year B. Pharmacy**  
**PHARMACOLOGY - IV**  
**(2013 Pattern) (Semester - VII)**

*Time : 3 Hours]*

*[Max. Marks :70*

*Instructions to the candidates:*

- 1) *All question are compulsory.*
- 2) *Answers to the two sections should be written in separate books.*
- 3) *Neat diagrams must be drawn wherever necessary.*

**SECTION - I**

**Q1)** Classify Penicillins. Explain mode of action, therapeutic uses and adverse effects of Penicillin G. **[10]**

OR

Explain in detail mode of action, therapeutic uses, adverse effects and drug interactions of tetracyclines.

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

- a) Explain mode of action of Erythromycin.
- b) Why sulfonamides are not effective in presence of pus?
- c) Explain mode of action and therapeutic uses of Chloroquine.
- d) Discuss mode of action and adverse effects of Rifampicin.
- e) Explain antimicrobial spectrum of fluroquinolones.
- f) Explain mechanism of action of Cotrimoxazole.
- g) Classify antiviral drugs.

**P.T.O**

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

- a) Aminoglycosides
- b) DOT therapy
- c) Toxicity of anticancer agents
- d) Antileprotic agents.

**SECTION - II**

**Q4) Classify antianginal agents. Explain pharmacology of nitrates. [10]**

OR

Classify diuretics with example. Explain in detail mode of action, pharmacological actions, therapeutic uses and adverse effects of potassium sparing diuretics

**Q5) Solve any five : [15]**

- a) Discuss therapeutic uses of calcium channel blockers.
- b) Write a note on Haemopoetics.
- c) Explain mode of action and therapeutic uses of Clonidine.
- d) Discuss role of HMG-CoA reductase inhibitors in atherosclerosis.
- e) Classify antiarrhythmic agents with examples.
- f) Explain role Sodium nitroprusside in hypertensive crisis.
- g) Explain mode of action and therapeutic uses of Digitalis glycosides.

**Q6) Solve / Write short note on any two : [10]**

- a) Differentiate between Warfarin and Heparin.
- b) ACE inhibitors.
- c) Membrane stabilizing agents.
- d) Role of reactive oxygen intermediates in various diseases.

