

Total No. of Questions : 6]

SEAT No. :

P2006

[5145]-704

[Total No. of Pages : 2

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

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

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

SECTION - I

Q1) Classify antineoplastic agents. Explain in detail mode of action, pharmacological actions, therapeutic uses and adverse effects of antimetabolites. **[10]**

OR

Classify drugs used in treatment of HIV. Explain in detail mode of action, pharmacological actions, therapeutic uses and adverse effects of one drug from each class.

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

- a) Explain mode of action and adverse effects of Chloramphenicol.
- b) Classify antileprotic drugs with example.
- c) Explain mode of action of Tetracyclines.
- d) Write the mechanism of action and adverse effects of isoniazide.
- e) Explain rationale behind combination of Penicillins with Clavulonic acid.
- f) Explain mode of action and adverse effects of Metronidazole.
- g) Classify antimalarials with examples.

P.T.O.

Q3) Write Short Notes On Any Two. [10]

- a) Sulfonamides.
- b) Mechanism and role of drug resistance in chemotherapy.
- c) Immunomodulators.
- d) Anthelmintics.

SECTION - II

Q4) Classify diuretics with examples. Explain in detail mode of action, pharmacological actions, therapeutic uses and adverse effects of loop diuretics. [10]

OR

Classify antihypertensive agents. Explain the role of ACE inhibitors in management of hypertension.

Q5) Answer (ANY FIVE) [15]

- a) Discuss role of nitrates in angina pectoris.
- b) Explain scope of safety pharmacology.
- c) Explain mode of action of Heparin.
- d) Discuss role of Clofibrate in atherosclerosis.
- e) Explain mode of action and adverse effects of Acetazolamide.
- f) Classify drugs used for Congestive Heart Failure.
- g) Write a note on fibrinolytic agents.

Q6) Write short note on (ANY TWO) [10]

- a) Antioxidants and their therapeutic uses.
- b) Management of arrhythmia.
- c) Haemopoietics.
- d) Role of β -blockers in cardiac disorders.

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