

UKA TARSADIA UNIVERSITY

M. Pharm. (Pharmacology) (1st Semester)

Subject: 040050103 - Advances in Pharmacology

Time : 10:00 am to 1:00 pm

Date : 26/12/2013

Duration: 3 Hours

Max. Marks: 70.

Instructions:

1. Attempt all questions.
2. Write each section in a separate answer book.
3. Make suitable assumptions wherever necessary.
4. Figures to the right indicate full marks allocated to that question.
5. Draw diagrams/figures whenever necessary.

Section 1

Q-1 a) Describe the organophosphorous poisoning and its treatment. **(5)**

Or

- a)** Write short note on α – antagonist. **(6)**
- b)** Justify therapeutic uses of parasympatholytics. **(6)**

Q-2 a) Classify immunosuppressants. Describe the mechanism of action of any two classes. **(6)**

Or

- a)** Drug treatment of glaucoma. **(6)**
- b)** Classify the sympathomimetics. Write the pharmacological action of epinephrine. **(6)**

Q-3 Answer the following questions. (any two) **(12)**

- a)** Classify neuromuscular blockers. Describe the mechanism of action of succinylcholine.
- b)** Classify and describe the mechanism of action of local anesthetics.
- c)** Justify therapeutic uses of β – blockers in various cardiovascular diseases.

Section 2

Q-4 a) Describe the bacterial resistance to antibiotics. **(5)**

Or

- a)** Write short note on quinolones. **(5)**
- b)** Describe the role of hormones in cancer therapy. **(6)**

Q-5 a) Classify the antimalarial drugs. Write short note on quinine. **(6)**

Or

- a)** Describe the mechanism of action, therapeutic uses and adverse drugs reactions of Co-trimazole. **(6)**
- b)** Describe the mechanism of action, therapeutic uses and adverse drugs reactions of tetracyclines. **(6)**

Q-6 Answer the following questions. (any two) **(12)**

- a)** Write short note on WHO guideline for the treatment of TB.
- b)** Classify anti-HIV drugs. Describe mechanism of action, therapeutic uses and adverse effects of zidovudine.
- c)** Describe adverse effects of chemotherapeutic agents used in cancer treatment.