

UKA TARSADIA UNIVERSITY

B. Pharm. (6th Semester)

Subject: 030020604-Pharmacology II

Time : 10 am to 1 pm
Duration : 3 Hours

Date : 26/05/2014
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) Do as directed. [07]

- I) Define psychosis.
- II) Enlist morphine receptors
- III) Define antacids with examples.
- IV) Enumerate four stages of anaesthesia.
- V) Define anti-tussives and expectorants.
- VI) Enlist three characteristic features of Parkinsonism.
- VII) Enumerate important neurotransmitters in the CNS.

Q-1 (B) Answer the following in brief. (Any 4) [08]

- I) Justify the use of Omeprazole in peptic ulcer.
- II) Explain in brief mechanism of action of Disulfiram.
- III) What are pre-anaesthetic medications? Write any two examples of pre-anaesthetic drugs.
- IV) Explain in brief absence seizures.
- V) Classify anti-diarrhoeal drugs with examples.
- VI) Classify anti-emetic drugs with examples

Q-2 Answer the following. [10]

- A) Classify drugs used in Parkinsonism. Why Carbidopa is used in combination with Levodopa?

OR

- A) Describe mechanism of action of Benzodiazepines.
B) Write a note on Selective Serotonin Reuptake Inhibitors (SSRIs).

OR

- B) Enumerate Opioid antagonist. Write on pharmacology of Naloxone.

Q-3 Answer the following in detail. (Any 2) [10]

- A) Classify antipsychotic drug. Write a note on a typical antipsychotic drugs?
- B) Classify Non-steroidal anti-inflammatory analgesics. Discuss COX-2 inhibitors.
- C) Classify antiulcer agents? Discuss management of stress induced Ulcers.

SECTION - 2

Q-4 (A) Do as directed. [07]

- I) Enlist adverse drug reactions of Chloramphenicol.
- II) What is bacterial resistance?
- III) Enumerate types of diabetes mellitus.

- IV) Write any two examples of third generation Cephalosporins.
- V) Define superinfection.
- VI) What are antifungal agents?
- VII) Enlist hormones secreted by Posterior pituitary gland.

Q-4 (B) Answer the following in brief. (Any 4)

[08]

- I) Classify anti-malarial drugs.
- II) Write mechanism of action of Co-trimoxazole.
- III) Classify female oral contraceptives.
- IV) Explain in brief about free radicals.
- V) Comment: Streptomycin is contraindicated in patients of renal failure.
- VI) What are Endothelins? Enlist types of Endothelin receptors.

Q-5 Answer the following.

[10]

- A) Classify oral hypoglycemic agents and differentiate between Sulphonylureas and Biguanides.

OR

- A) Write characteristics and therapeutic uses of aminoglycoside antibiotics.
- B) What is DOTS? Discuss the management of Tuberculosis with special emphasis on Isoniazid.

OR

- B) Describe mechanism of action and therapeutic uses of Fluoroquinolones.

Q-6 Answer the following in detail. (Any 2)

[10]

- A) Give reasons for difficulty in treatment of viral infections. Show diagrammatically the replication cycle of virus with sites of action of anti viral agents.
- B) Classify anticancer agents based on mechanism of action. Write note on Cyclophosphamide.
- C) Describe the physiological actions of nitric oxide (NO).