

(b) Discuss ligand based drug design.

(c) Explain antifungal agents. Provide the name, use, and structure of one example. (5, 5, 5)

6. (a) Match the following pairs:

- | | |
|------------------------|------------------|
| (i) Activated charcoal | a. Antidote |
| (ii) Zinc Sulphate | b. Astringents |
| (iii) Warfarin | c. Anticoagulant |
| (iv) Insulin | d. Antidiabetic |
| (v) Atracurium | e. Anesthetic |

(b) Define diuretics. Write the structure of the active ingredient in Lasix.

(c) Explain the role of pharmacophores in drug design (5, 5, 5)

[This question paper contains 4 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 3024

I

Unique Paper Code : 2174001009

Name of the Paper : Medicines in Daily Life

Name of the Course : **B.Sc. (Hons)**

Semester : I/III/V

Duration : 2 Hours

Maximum Marks : 60

Instructions for Candidates

1. Write your Roll. No. on the top immediately on receipt of this question paper.
2. Attempt any four questions in all.

1. (a) Write the synthesis and applications of paracetamol.

(b) Differentiate between the following:

(i) Antipyretic and Analgesic drugs

(ii) Drug and Medicine

- (c) Define antidiabetic drugs. Write the structure of at least one example and describe its uses.

(5, 5, 5)

2. (a) Fill in the blanks:

(i) Aspirin is chemically known as _____.

(ii) The primary use of Heparin is as a/an _____

(iii) Levocetirizine belongs to the class of _____ drugs.

(iv) Norfloxacin is a/an _____ antibiotic.

(v) Amlodipine is used to treat _____

- (b) Define antihistamines. Write the structure of one antihistamine compound.

- (c) What are astringents? Provide the chemical formula and uses of Potash Alum and Zinc Sulphate.

(5, 5, 5)

3. Write detailed notes on any three of the following topics:

- (a) Natural remedies for fever

- (b) The role of supplements in healthcare

- (c) Chemotherapy and its applications

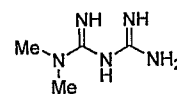
- (d) Classification of drugs (5, 5, 5)

4. (a) Define antipyretics. Give one example and discuss its mode of action.

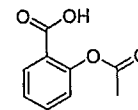
- (b) Discuss the components and medicinal uses of Rauwolfia.

- (c) What are antacids? Discuss the properties of an ideal antacid with examples. (5, 5, 5)

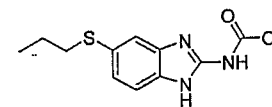
5. (a) Name the following drugs:



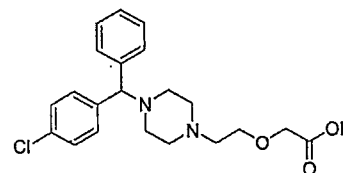
a



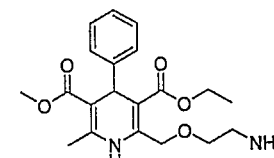
b



c



d



e