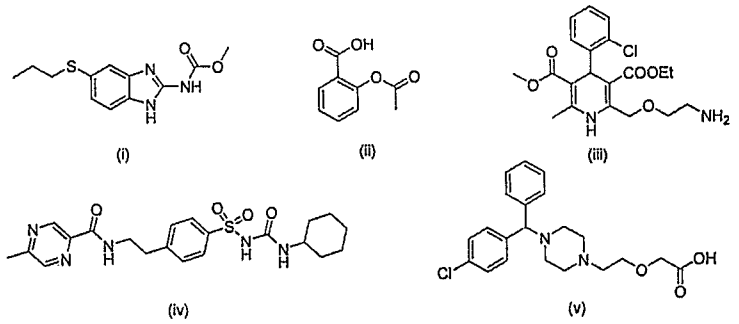
(v) Desflurane e. Anesthetic

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

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

6. (a) Write the names of the following drugs-



(b) What are the main components of Rauwolfia? Discuss its uses.

(c) What is the natural treatment of depression? Write the structure of Zoloft. (5, 5, 5)

(500)

[This question paper contains 4 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 3321 **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 aspirin.

(b) Differentiate between the following:

(i) Antibiotic and Antidiabetic agents

(ii) Mental and Physical health

P.T.O.

(c) What is the significance of lead compounds in drug development? And how do they help in the process? (5, 5, 5)

2. (a) Fill in the blanks:

(i) Ibuprofen is commonly used as a/an _____

(ii) _____ is an antihypertensive agent.

(iii) Warfarin is classified as a/an _____ drug.

(iv) _____ is the active ingredient in Lasix.

(v) Sertraline belongs to the class of _____drugs.

(b) Discuss the properties and advantages of combined antacids.

(c) Write a note on the natural treatment of depression. Include the structure of Zoloft. (5, 5, 5)

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

(a) Health and wellness

(b) Natural remedies for fever

(c) Role of chemotherapy in treatment

(d) Active ingredients in medicine (5, 5, 5)

4. (a) Define antiplatelet drugs. Draw the structure of one antiplatelet drug.

(b) Describe the target-based drug design in detail.

(c) Explain antidotes. Write the name, structure, and use of one example. (5, 5, 5)

5. (a) Match the following pairs:

(i) Sodium nitrite	a. Antidote
(ii) Zinc Sulphate	b. Astringents
(iii) Warfarin	c. Anticoagulant
(iv) Insulin	d. Antidiabetic