

Enrollment No: \_\_\_\_\_

Exam Seat No: \_\_\_\_\_

# C. U. SHAH UNIVERSITY

## Winter Examination-2021

Subject Name: Medicinal Chemistry-II

Subject Code: 5SC04MDC1

Branch: M.Sc. (Chemistry)

Semester : 4

Date : 20/10/2021

Time : 11:00 To 02:00

Marks : 70

**Instructions:**

- (1) Use of Programmable calculator and any other electronic instrument is prohibited.
  - (2) Instructions written on main answer book are strictly to be obeyed.
  - (3) Draw neat diagrams and figures (if necessary) at right places.
  - (4) Assume suitable data if needed.
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**SECTION – I**

- Q-1 Attempt the Following questions (07)**
- a. What do you mean by lactum? **01**
  - b. Draw the structure of penicillin-V. **01**
  - c. Write any two drugs of Sedative and Hypnotics. **01**
  - d. What is SAR? **01**
  - e. Write the name of malaria parasites. **01**
  - f. Draw the structure of Daraprim. **01**
  - g. How many types anesthetics drug? **01**
- Q-2 Attempt all questions (14)**
- a. Write the synthesis and uses of Novalgin and Sodium Valproate. **07**
  - b. Write the synthesis and uses of Primaquine and dapsone. **07**
- OR**
- Q-2 Attempt all questions (14)**
- a. Write the synthesis and uses of Isoniazid and Alprazolam. **07**
  - b. Give the synthesis and uses of Chloroquine and satalol. **07**
- Q-3 Attempt all questions (14)**
- a. Explain the life cycle of malarial parasite with proper diagram. **07**
  - b. Write the synthesis and uses of Chloramphenicol. **07**
- OR**
- Q-3 Attempt all questions (14)**
- a. Write the synthesis and uses of Cephalosporin. **07**
  - b. Write the synthesis and uses of lidocaine and Dibucaine. **07**



## SECTION – II

- Q-4 Attempt the Following questions (07)**
- a. What do you mean by bacteriostatic drug? **01**
  - b. What do you mean by bactericidal drug? **01**
  - c. Draw the structure of vancomycin. **01**
  - d. Write the meaning of DDS and INH drugs. **01**
  - e. What do you mean by broad spectrum antibiotics? **01**
  - f. Draw the structure of Lamotrigine. **01**
  - g. Draw the structure of phenobarbital. **01**

- Q-5 Attempt all questions (14)**
- a. Write the synthesis and uses of Amobarbital and Imipramine. **07**
  - b. Write the classification of antidepressant and neuroleptics drug. **07**

**OR**

- Q-5 Attempt all questions (14)**
- a. Write the synthesis and uses of Procainamide and Zonisamide. **07**
  - b. Write the synthesis and uses of Flecainide and Tocainide. **07**

- Q-6 Attempt all questions (14)**
- a. Write the synthesis and uses of Nafimidone and Lamotrigine. **07**
  - b. Write the synthesis and uses of Ethambutol and Ethionamide. **07**

**OR**

- Q-6 Attempt all Questions (14)**
- a. Write the synthesis and uses of Ibuprofen and Bupropion. **07**
  - b. Write the synthesis of Cloxalline and Dicloxacilline. **07**

