

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

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

# C.U.SHAH UNIVERSITY

## Summer Examination-2022

Subject Name : Pharmacology I- Theory

Subject Code : BP404T

Branch: B.Pharm

Semester: 4

Date: 06/05/2022

Time: 11:00 To 02:00

Marks: 75

Instructions:

- (1) Use of Programmable calculator & 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.

**Q-1 Attempt the following questions: (20)**

- a) Define dependence. Enlist factors involved in the development of drug dependence.
- b) Define the following terms: i) Tolerance ii) Competitive antagonism
- c) Define following terms: i) Allergy ii) Idiosyncrasy
- d) Define zero order and first order kinetic of drug elimination.
- e) Classify types of epilepsy.
- f) Write any two differences of pethidine in comparison to morphine.
- g) Define myasthenia gravis and enlist drugs used in its treatment.
- h) What are drug interactions?
- i) Classify CNS stimulants.
- j) What is therapeutic index?

**Attempt the following questions:**

**Q-2 Attempt any two of following : (2\*10 Marks = 20 Marks) (20)**

- A** Classify receptors. Discuss G protein coupled receptors in detail with diagrammatic representation. **10**
- B** Classify General Anaesthetics. Discuss mechanism and stages of general anaesthesia with suitable diagram. **10**
- C** Classify Skeletal muscle relaxants. Explain mechanism of action and pharmacology of d- tubocurarine **10**

**Q-3 Attempt any Seven of following : (7\*5 Marks = 35 Marks) (35)**

- A** Write about pre- anaesthetics medications in details. **5**
- B** Discuss pharmacology of atropine. **5**
- C** Discuss pharmacologic actions of alcohols. Discuss treatment of alcohol addiction. **5**
- D** Write down causes and treatments Alzheimer's disease. **5**
- E** Discuss the factors modifying drug action in detail. **5**
- F** Enlist various routes of drug administration and discuss advantages and **5**



- disadvantages of oral route.
- G** Discuss mechanism of action and pharmacological actions of adrenaline. **5**
- H** Classify antipsychotic agent and write a note on atypical antipsychotic agents. **5**
- I** Describe various phases of clinical trial and its importance. **5**

