

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Winter Examination-2022

Subject Name : Pharmacology I - Theory

Subject Code : BP404T

Branch: B.Pharm

Semester: 4

Date: 22/09/2022

Time: 02:30 To 05:30

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 drug abuse and write its causes.
- b) Differentiate competitive and non competitive antagonism.
- c) What are preanesthetic agents?
- d) Give the mechanism of benzodiazepines.
- e) Enlist different types of receptors.
- f) Give two advantages and two disadvantages of intravenous route of drug administration.
- g) Define glaucoma and enlist drugs used in glaucoma.
- h) What is plasma protein binding?
- i) Define sedative and hypnotics with two examples.
- j) Define drugs. Enlist four sources of Drugs.

Q-2 Attempt any two of following : (20)

- A** Classify various types of drug interaction. Discuss pharmacokinetic drug interaction with suitable example. **10**
- B** Classify sympatholytics. Explain the pharmacology of β - Blockers in detail. **10**
- C** Define and classify local anaesthetics. Write mechanism and adverse effect of lidocaine. **10**

Q-3 Attempt any Seven of following : (35)

- A** Write a note on neurohumoral transmission. **5**
- B** Differentiate between Phase I and Phase II biotransformation reaction. **5**
- C** Describe various phases of clinical trial and its importance. **5**
- D** Write down short note on anti-Parkinson agents. **5**
- E** Write down factors affecting the absorptions of drugs. **5**
- F** Write a note on neuromuscular blocking agents. **5**
- G** Discuss pharmacological actions & therapeutic uses of atropine. **5**
- H** Write down pharmacological actions of morphine. **5**
- I** Write mechanism of action and adverse effect of phenytoin. **5**

