

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Winter Examination-2021

Subject Name: Pharmaceutical Chemistry-V (Medicinal Chemistry-II)**Subject Code: 4PS05PCH5****Branch: B.Pharm****Semester: 5****Date: 23/12/2021****Time: 11:00 To 02:00****Marks: 70**

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.
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Q-1 Define the following questions: (14)

- a) Sedatives (1)
- b) Antipsychotics (1)
- c) Antidepressants (1)
- d) DMARDS (1)
- e) Hallucinogens (1)
- f) Cognition enhancers (1)
- g) Inflammation (1)
- h) Antiepileptics (1)
- i) Convulsions (1)
- j) Cholinergics (1)
- k) Anxiolytics (1)
- l) Local Anaesthetics (1)
- m) Butyrophenones (1)
- n) Catecholamine's (1)

Attempt any four questions from Q-2 to Q-8**Q-2 (14)**

- a Give MOA of Parasympatholytic agents, give the SAR of Muscarinic antagonists. (7)
- b Give the Biosynthesis and Pharmacological action of Acetylcholine. (7)

Q-3 (14)

- a Classify Opioid and Non-Opioid Analgesics; Give the SAR of morphine. (7)
- b Give SAR of Tricyclic Antidepressant. (7)

Q-4 (14)

- a Give SAR of Phenothiazines. (7)
- b Classify Parasympathomimetics, give synthesis for Neostigmine and Dicyclomine HCl (7)

Q-5 (14)

- a Write down the mechanism and SAR of Parasympathomimetics. (7)
- b Explain the SAR Benzoic acid derivatives with synthesis of Halothane. (7)



- Q-6 (14)
a Write down the uses and synthesis of Propranolol and Atenolol. (7)
b Write the MOA of NSAID, give the synthesis for Aspirin and Diclofenac. (7)
- Q-7 (14)
a Classify sedatives and Hypnotics, give SAR of Barbiturates. (7)
b Explain Neuromuscular blocking agents and ganglionic blockers. (7)
- Q-8 (14)
a Define Antiepileptic; give the synthesis of chlorpromazine and phenytoin. (7)
b Give the Biosynthesis and Pharmacological action of Catecholamines. (7)

