

B. Pharm VII semester mid sem Examination 2018
Subj: Pharmaceutical Chemistry VII

Questions with Answer

Q-1 What is local anaesthetics? classify with structures

Answer:- Local anaesthetics are drugs which blocks nerve conduction and causes reversible loss of ~~all~~ sensation. It is applied topically.

Classification of local Anaesthetics

(i) Natural, (ii) synthetics (iii) Derivatives of benzocaine
Ex: cocaine ~~is~~ Ex. procaine

Q-2 classify general anaesthetics with example and structures.

Answer:- General anaesthetics causes the loss of all sensation. It is classified as volatile, inhalation and intravenous. Ex. Nitrous oxide, Halothane, Thiopentane.

(1)

Rajpati Kumar

Q-3 Desime sedatives and classify with structures.

Ans:- Sedatives are central nervous system depressant drugs which produce sedation and reduce excitement of the brain. Classification of sedatives are

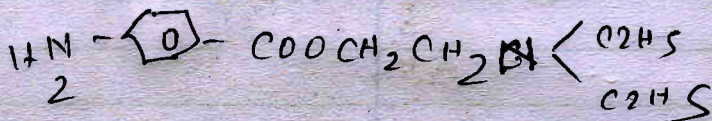
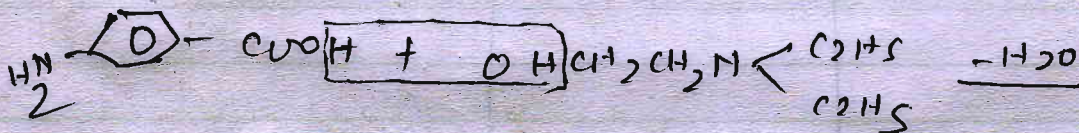
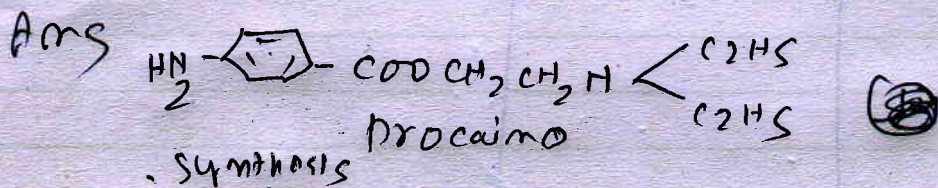
(i) Barbiturates
ex. Thiopentone

(ii) Benzodiazepines
ex. Diazepam

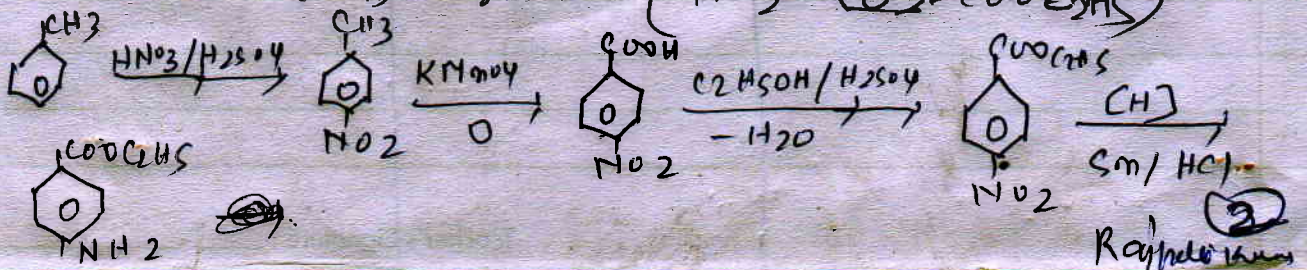
(iii) Triazolo Benzodiazepines
ex. Dalazepam, Alprazolam

(iv) Miscellaneous: - Diphenhydramine, Doxylamine

Q-4 Write the synthesis of (a) procaine (b) Benzocaine



Synthesis of Benzocaine (NH₂ - C₆H₄ - COOEt)

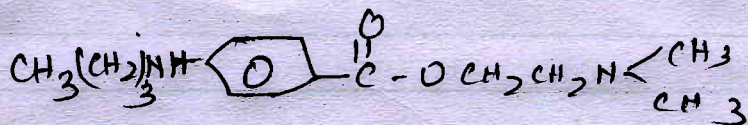


Q-5 Write the structures of

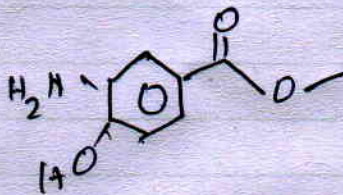
- (a) Tetraacaine (b) orthocaine (c) Barbituric acid (d) Thiobarbituric acid

Ans

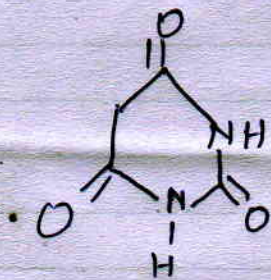
(a) Tetraacaine



(b) Orthocaine



(c) Barbituric acid



(d) Thiobarbituric acid

