

Assignment
CHE-307
Sem VI 2018
Unit Test I & II

Unit-I

Questions for long answers:

Question for short Answers:

Unit-II

(A) Alkaloid

Questions for long Answer:

- (1) Prove that coniine is α propyl piperidine compound.
- (2) Nicotine is pyridine pyrrolidine alkaloid prove it.
- (3) Give the synthesis of Tropine.
- (4) Prove the structure of Tropic acid.

Questions for Short Answer:

- (a) Give the structure of Coniine.
- (b) Give the structure formula of Nicotinic acid.
- (c) Which alkaloids known as quinoline alkaloid.

(B) Terpenoids

Questions for long Answer:

- (1) Give synthesis of Citral.
- (2) Explain Ozonolysis and Hydrolysis of citral.
- (3) Give synthesis of α Terpineol.
- (4) Discuss the oxidative degradation of Camphor.

Questions for Short Answer:

- (a) Give Isoprene rule.
- (b) Mention position of the double bond in α Terpineol.

Unit-III

Questions for long Answer:

- (1) Write synthesis and uses of following Dyes
 - (a) Alizarine
 - (b) Malachite green
 - (c) Congo-red
 - (d) Eosin
 - (e) Indigo
- (2) Write synthesis and uses of following Explosives
 - (a) RDX
 - (b) PETN
 - (c) Nitro glycerine
 - (d) Tetryl
- (3) Write synthesis and uses of following Herbicides
 - (a) Malathion
 - (b) Parathion
 - (c) Aldrine
 - (d) Methoxy- chlore

Questions for Short Answer:

- (a) Define : Chromophore
- (b) Define : Auxochrome
- (c) Define : Torpex
- (d) Define : Cordite
- (e) Define : Harbicides
- (f) What is called Dynamite ?
- (g) Define : Insecticides
- (h) Define : Explosives

Unit-IV Synthetic Drugs:

Questions for long Answer:

- (1) Give General Classification of Drugs.
- (2) Write note on 'Chemotherapy'.
- (3) Give Synthesis of following drugs.
 - (i) Phenacetin
 - (ii) Alprazolam
 - (iii) Benzocaine
 - (iv) Atenolol
 - (v) Sulphadiazine
 - (vi) Tolbutamide
- (4) Give synthesis of Pyridoxine (Vitamin B₆)
- (5) Give synthesis of Vitamin A (Retinol)
- (6) Prove the structure of Pyridoxine (Vitamin B₆)