

Paper Id:

910023

Roll No:

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

B PHARM
(SEM II) THEORY EXAMINATION 2019-20
PHARMACEUTICAL ORGANIC CHEMISTRY

Time: 3 Hours

Total Marks: 75

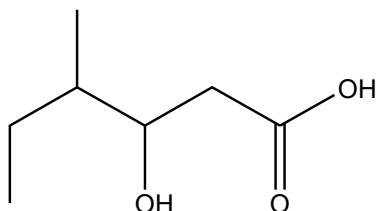
Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt all questions in brief

10 x 2 = 20

- a) Write the chemical structure & uses of succinic and oxalic acid
- b) Define benzoin condensation reaction
- c) Give identification test of aldehydes and alcohol
- d) Differentiate between E₁ and E₂ reaction
- e) Write the two examples and uses of aliphatic amines
- f) Give the IUPAC name of



- g) Discuss uses of vanillin and cinnamaldehyde
- h) Give free radical reactions of alkenes
- i) Give the IUPAC name of following compound-: CH₃CH₂CH₂CH₂COOH
- j) What are electrophile and nucleophile?

SECTION B

2. Attempt any two parts of the following:

2 X 10 = 20

- a) What are SN₁ and SN₂ reactions. Discuss the kinetics, mechanism and factors affecting the SN₁ and SN₂ reactions
- b) Write about vanillin and benzaldehyde.
- c) Give short notes on cannizaro reaction and aldol condensation.

SECTION C

3. Attempt any five parts of the following:

7 X 5 = 35

- a) Define ozonolysis.
- b) Write the structure and uses of chloroform and trichloroethylene.
- c) Explain diels alder reaction with mechanism.
- d) Explain with examples markownikoffs rule.
- e) Write about basicity of aliphatic amines and factors affecting it.
- f) What is isomerism?. Discuss various type of structural isomerism with examples.
- g) Define Nomenclature of organic compounds with examples..