Sub Code: BP202T

Paper Id: 910023 Roll No: | | | | | | | | | | | | | |

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

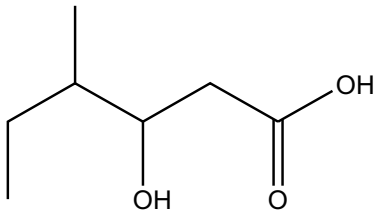
Time: 3 Hours **Total Marks: 75**

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 E_1 and E_2 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-: $CH_3CH_2CH_2CH_2COOH$
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..

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