PAPER ID-310888

Roll No: | | | | | | | | | | | | | |

B PHARM
(SEM-III) THEORY EXAMINATION 2020-21
PHARMACEUTICAL ORGANIC CHEMISTRY II

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.	Define aromaticity.
b.	Why phenol is acidic?
c.	Why *p*-nitroaniline is less basic than aniline?
d.	Write the definition of RM value.
e.	Discuss the difference between drying and nondrying oil with example.
f.	What do you understand by angle strain?
g.	Write the different conformations of ethane.
h.	Illustrate the principle of saponification value.
i.	Predict the structure and medicinal uses of DDT and Naphthalene.
j.	What is banana bonding.

SECTION B

2. Attempt any *two* parts of the following: 2 x 10 = 20

a.	Explain the methods of preparations and chemical reactions of Phenol.
b.	Discuss in detail about the methods of preparations chemical reactions of naphthalene.
c.	Write in detail about the methods of preparation and chemical reactions of cycloalkanes.

SECTION C

3. Attempt any *five* parts of the following: 5 x7 = 35

a.	Explain effect of substituents on reactivity and orientation of mono substituted benzene compounds towards electrophilic substitution reaction.
b.	Write about analytical, synthetic, and other evidence in the derivation of structure of benzene.
c.	Discuss Basicity of amines and effect of substituents on basicity of amines.
d.	Write a detailed note on Iodine value.
e.	Discuss the Haworth synthesis of Anthracene and Phenanthrene.
f.	Illustrate in detail about Baeyer's Strain theory with its limitations.
g.	What do you mean by fats, oils, and waxes? Discuss the chemical reactions of fats, oils and waxes.

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