Sub Code:BP301T

Paper Id: 150301 Roll No:

B. PHARM
(SEM III) THEORY EXAMINATION 2019-20
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. Give structure and uses of DDT.

b. Give molecular orbital picture of benzene.

c. Why phenol is acidic in nature?

d. What is Friedal craft acylation? Explain with suitable reaction.

e. Give structure and uses of Naphthols.

f. Explain acid value.

g. Give Hawarth synthesis of phenanthrene.

h. Give stability order of cycloalkanes.

i. Draw any four aromatic structures.

j. Give structure and uses of diphenylmethane.

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SECTION B

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

a. Give structure, preparation and properties of phenol.

b. Give analytical, synthetic and other evidences in derivation of structure of benzene.

c. Write a note on theory of strainless ring.

SECTION C

3. Attempt any *five* parts of the following: 5 x 7 = 35

a. Give Huckel's theory with suitable examples.

b. Give structure, preparation and properties of benzoic acid.

c. Give effect of substituent on orientation of monosubstituted benzene compounds towards electrophilic substitution reaction.

d. Explain saponification and iodine number.

e. Give reactions of fat and oils.

f. Give Baeyer's strain theory and its limitation.

g. Give structure, preparation and properties of naphthalene.