

Roll No.....

Sub Code: BP301T

B PHARM (SEM-III)
THEORY EXAMINATION 2021-22
PHARMACEUTICAL ORGANIC CHEMISTRY-II

Time: 3 Hours

Total Marks: 75

Note: Attempt all Sections.

SECTION A

Very Short Answer (Attempt all questions)

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 dipheny l methane.

SECTION B

Short Answer (Attempt any 5 questions)

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.

SECTION C

Long Answer (Attempt any 2 questions)

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.