

B.Pharm. II Year Third Semester (New)
Pharmaceutical Organic Chemistry - II : BP 301 T

P. Pages : 1

Time :



AV - 2376

Max. Marks : 75

- Notes :
1. All questions are compulsory.
 2. Assume suitable data wherever necessary.
 3. Diagrams and Chemicals equations should be given wherever necessary.
 4. Discuss the reaction, mechanism wherever necessary.
 5. Use of pen Blue/Black ink/refill only for writing the answer book.

1. Objective type questions. 20
 - 1) Enlist examples of polynuclear aromatic hydrocarbons.
 - 2) What is saponification value?
 - 3) Draw the resonance structures of benzene.
 - 4) Give structure and uses of BHC.
 - 5) Write the structures of three Cresols.
 - 6) Write reaction for conversion of nitrobenzene to aniline.
 - 7) What are fats and oils?
 - 8) Define cyclo-alkanes.
 - 9) Give two examples each of electron donating and electron withdrawing groups.
 - 10) Define resonance.
2. Long answer questions answer **any two**. 20
 - 1) Explain structural elucidation of benzene along with its molecular orbital structure.
 - 2) Write methods of preparation and reactions of aromatic carboxylic acids.
 - 3) Describe reactions and analysis of fats and oils.
3. Short answer questions answer **any seven**. 35
 - 1) Describe aromaticity of benzene.
 - 2) Explain Friedel craft's alkylation and acylation reactions of benzene.
 - 3) Write a note on acidity of phenols.
 - 4) How naphthalene is synthesized?
 - 5) Explain methods of preparation of aromatic amines.
 - 6) Explain Baeyer's strain theory.
 - 7) Explain nitration reaction of benzene with mechanism.
 - 8) Write the methods of preparation of phenols.
 - 9) Explain reactivity of electrophilic aromatic substitution reaction.
