

C.U.SHAH UNIVERSITY

Winter Examination-2018

Subject Name : Pharmaceutical Organic Chemistry II- Theory

Subject Code : BP301T

Branch: B.Pharm

Semester : 3

Date : 27/11/2018

Time: 02:30 To 05:30

Marks : 75

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

Q-1 Attempt the following questions: (20)

- Friedal crafts Alkylation in Benzene.
- Define Cycloalkanes with nomenclature of them.
- Write down the structure and uses of Naphthalene.
- Define Iodine Value with formula.
- Structure and Uses of DDT.
- Limitations of Baeyer's strain theory.
- Give the physical properties of aromatic amines.
- Any two qualitative test for phenols.
- Write any two chemical reactions for cyclobutane.
- Method of Preparation of BHC.

Attempt the following questions:

- Q-2 Attempt any two of following**
- A** Explain Huckle Rule with examples, Give Aromatic Electrophillic substitution reactions of Benzene. **10**
- B** Write a brief note on Classification, method of preparation and chemical reactions of Aromatic Amines. **10**
- C** Give the chemical reactions, method of preparations and medicinal uses of any two Aromatic acids. **10**

- Q-3 Attempt any Seven of following :**
- A** Explain the Acidic nature of phenol & effect of substituents on acidity. **5**
- B** How Saponification value and acid value is calculated? **5**
- C** Give Synthesis, reactions and medicinal uses of Triphenylmethane. **5**
- D** Explain the stability of cycloalkanes on the basis of Baeyer's strain theory. **5**
- E** Elaborate the effect of substitution on acidity of aromatic acids. **5**
- F** Explain the Basicity, and effect of substitution on basicity of Amines. **5**
- G** Write a brief note on Aromaticity and Resonance in Benzene. **5**
- H** Give reaction for Hydrolysis and Hydrogenation for Oil. **5**
- I** Write down the chemical reaction for:-Kolbe reaction & Sulphonation For Phenol **5**

