## www.FirstRanker.com

## www.FirstRanker.com

## Third Semester Examination For the Degree of Bachelor of Pharmacy

TKN/KS/16-6982

## PHARMACEUTICAL CHEMISTRY -(ORGANIC)

3-T-2

Time: Three Hours]

[ Max. Marks : 80

: (1) Question No.1 is Compulsory

Z

Solve any Four questions from the remaining

Discuss the reaction, mechanism wherever necessary.

Solve any Five of the following :-

Write a note on Keto-enol tautomerism

Explain Huckel's Rule

<u></u> Differentiate between SN1 and SN2

Aldehydes are more reactive than Ketone, Explain

Explain Confirmations of n-butane

Write the mechanism of Hofmann degradation

œ State and explain any two reactions of phenol.  $5 \times 4 = 20$ 

Ņ Discuss the electrophilic aromatic substitution reaction of benzene with :--

Nitration

3 Sulphonation

TKN/KS/16-6982

Friedel-Craft's alkylation Halogenation

(e) Friedel-Craft's acylation

15

Give the detail account of SN2 including reaction,

mechanism, orientation and reactivity.

Write a Concise account on reactions and preparations of Carboxylic acids

Prepare a full length draft on biomolecular elimination stereochemistry with appropriate examples reaction covering mechanism, evidences, orientation and

S

 (a) Describe in detail on preparation of alkenes using suitable examples

(b) Discuss about acidity of Carboxylic acids

Write potes on (Any Three) :-

(a) Aldol condensation

Connizarro's Reaction

9

(c) Structure of benzene (d) Hinsberg test

(e) Synthesis and applications of Organometallic Compounds

N

Contd