

Registration No :

--	--	--	--	--	--	--	--	--	--

Total Number of Pages : 02

B.Pharm
15PH303

3rd Semester Back Examination 2018-19

ORGANIC CHEMISTRY-II

BRANCH : B.PHARMA

Time : 3 Hours

Max Marks : 100

Q.CODE : E857

Answer Question No.1 (Part-1) which is compulsory, any eight from Part-II and any two from Part-III.

The figures in the right hand margin indicate marks.

Part- I

Q1 Short Answer Type Questions (Answer All-10) (2 x 10)

- What is huckles' rule.
- What is metamerism.
- What is keto-enol tautomerism.
- What is D and L system.
- What is specific rotation.
- Give the name and structures of any two polynuclear aromatic hydrocarbons.
- Give nomenclature and structure of isoquinoline.
- Give two synthetic application of NBS.
- In between cis and trans isomerism which is more stable and why.
- Give the one method of preparation of furan.

Part- II

Q2 Focused-Short Answer Type Questions- (Answer Any Eight out of Twelve) (6 x 8)

- Define and classify isomerism.
- Write short notes on geometrical isomerism.
- Write about stereo specific and stereo selective reaction.
- Write about orientation of aromatic substitution in mono substituted benzene.
- Write synthesis and application of diazomethane.
- Write synthesis and application of lithium aluminium hydride.
- Write a note on racemization.
- Write preparation and important reactions of pyrrole.
- Write reaction and mechanism of electrophilic substitution reaction of benzene.
- Write preparation and chemical reactions of indole.
- Write a notes on optical isomerism.
- What is friedel crafts reaction mention with mechanism?

Part-III

Long Answer Type Questions (Answer Any Two out of Four)

- Q3** Write the general methods of preparation and chemical reaction of anthracene. **(16)**
- Q4** Write general methods of preparation and physical and chemical properties of phenol. **(16)**
- Q5** Write general methods of preparation and physical and chemical properties of benzene. **(16)**
- Q6** Give in detail about conformations of ethane and butane. **(16)**