Printing Page(s) : 1 **Paper Code :DSC-110**

Roll No. | | | | | | | | | | |

B.Sc.(PCM)-6, B.Sc.(ZBC)-4
1st Year Back Examination, June 2022
Organic Chemistry

Time : 3 Hours] *[Max. Marks : 70]*
***Note**. (A)Attempt any **five** questions.*
*(B) Each question carries equal marks. (14*5)*

Q.1 What is bond theory define factors attesting bond energy? **[14]**

Q.2 Explain optical isomerism and explain geometrical isomerism by taking the example of acid and famanic acid?

Q.3 Define baeyor strain theory and their limitations write short note on difference between Aromatic hydrocarbons and aliphatic hydrocarbons? **[14]**

Q.4 (a) Define friedel craft reaction in briefly? **[14]**
(b) What do you mean by orientation? Discuss it in di and tri substituted products of benzene?

Q.5 Write short notes on following **[14]**
(i) Uses of BHE and DDT
(ii) Synthesis of DDT from chlorobenzine

Q.6 Distinguished between. **[14]**
(i) Benzaldhute and aeetophonon
(ii) aeetophonon and Benzaldhute **[14]**

Q.7 Describe the general method of meparation of aromatic ketones and their jeneral properties. **[14]**

Q.8 Describe important chemical reaction of chlorobenezene invoting aromatic ring. **[14]**