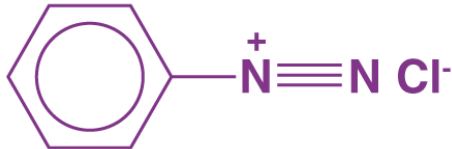
 <p>Benzene</p>		
<b>Q10.</b>	List any 2 drawbacks of Baeyer-Strain theory.	<b>1</b>	<b>CO5</b>
<b>Q11.</b>	Sketch the structure of 1,3,5-Trichlorocyclohexane.	<b>1</b>	<b>CO5</b>
<b>Q12.</b>	Sketch the structure of DDT.	<b>1</b>	<b>CO1</b>
<b>Q13.</b>	Sketch the structure of Diphenylmethane.	<b>1</b>	<b>CO4</b>
<b>Q14.</b>	What is the carbon-carbon bond length in benzene?	<b>1</b>	<b>CO1</b>
<b>Q15.</b>	Define “Electron donating groups.”	<b>1</b>	<b>CO2</b>
<b>Q16.</b>	Sketch the structures of any two polynuclear hydrocarbons.	<b>1</b>	<b>CO4</b>
<b>Q17.</b>	Ferric chloride test is used for the identification of _____. a) Aniline b) Benzoic acid c) Salicylic acid d) Phenol	<b>1</b>	<b>CO2</b>
<b>Q18.</b>	The process that involves conversion of fats into soap in the presence of aqueous NaOH is known as _____. a) Rancidification b) Beta-oxidation c) Hydrogenolysis d) Saponification	<b>1</b>	<b>CO3</b>
<b>Q19.</b>	Which of the following is composed of triglycerides? a) Fats b) Oils c) Both Fats and Oils d) None	<b>1</b>	<b>CO3</b>
<b>Q20.</b>	Identify the given structure.  a) Benzyl diazonium chloride b) Benzene diazonium iodide c) Benzyl azonium chloride d) Benzene diazonium chloride	<b>1</b>	<b>CO2</b>
<b>SECTION B (20 Marks)</b> <b>(2Qx10M=20 Marks)</b>			
<b>Attempt 2 Question out of 3</b>			

<b>Q1.</b>	Provide a step-by-step mechanism for the synthesis of Bromobenzene from Benzene.	<b>10</b>	<b>CO1</b>
<b>Q2.</b>	Give Haworth's synthesis of Naphthalene.	<b>10</b>	<b>CO4</b>
<b>Q3.</b>	Describe the chemical reactions of fats and oils.	<b>10</b>	<b>CO3</b>
<b>SECTION-C (35 Marks)</b> <b>(7Qx5M=35 Marks)</b>			
<b>Attempt 7 Question out of 9</b>			
<b>Q1.</b>	Explain Huckel's theory and illustrate it with appropriate examples.	<b>5</b>	<b>CO1</b>
<b>Q2.</b>	Explain the acidic nature of Phenol based on resonance stabilization of Phenoxide ion.	<b>5</b>	<b>CO2</b>
<b>Q3.</b>	Sketch the structure, discuss the synthesis and importance of Diphenylmethane.	<b>5</b>	<b>CO4</b>
<b>Q4.</b>	Distinguish fats from oils.	<b>5</b>	<b>CO3</b>
<b>Q5.</b>	Discuss in detail about the effect of substituent on their acidity.	<b>5</b>	<b>CO2</b>
<b>Q6.</b>	Explain Coulson and Moffitt's modification.	<b>5</b>	<b>CO5</b>
<b>Q7.</b>	Explain R.M. value, its procedure, and significance.	<b>5</b>	<b>CO3</b>
<b>Q8.</b>	Explain Inductive effect with example.	<b>5</b>	<b>CO2</b>
<b>Q9.</b>	Define Saponification. Discuss the importance of Iodine value.	<b>5</b>	<b>CO3</b>