

**Internal Assessment**  
**1<sup>st</sup> Semester Chemistry Honours**  
**Department of Chemistry**  
**Raiganj Surendranath Mahavidyalaya**  
**Paper code: CEMHT1, FM-10, Time: 30 minutes**

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*Answer any five*

1. Calculate IHD of Anthracene. 2
  
2. How many sigma and pi bonds are present in 1,3,5-triphenyl benzene. 2
  
3. Give one example of (i) ArSE (ii) Cycloaddition reaction. 2
  
4. Assign the absolute configuration of L-2-amino propanoic acid. 2
  
5. Calculate %age of (+) & (-) isomer of a mixture which is 99.5% optically pure w.r.t (+) isomer. 2
  
6. Draw all the stereoisomers of  $\text{OHC}.\text{CH}(\text{OH}).\text{CH}(\text{OH})\text{CH}_2\text{OH}$  in standard Fischer projection formula 2