

BONDING & GENERAL CONCEPTS ^{1.}

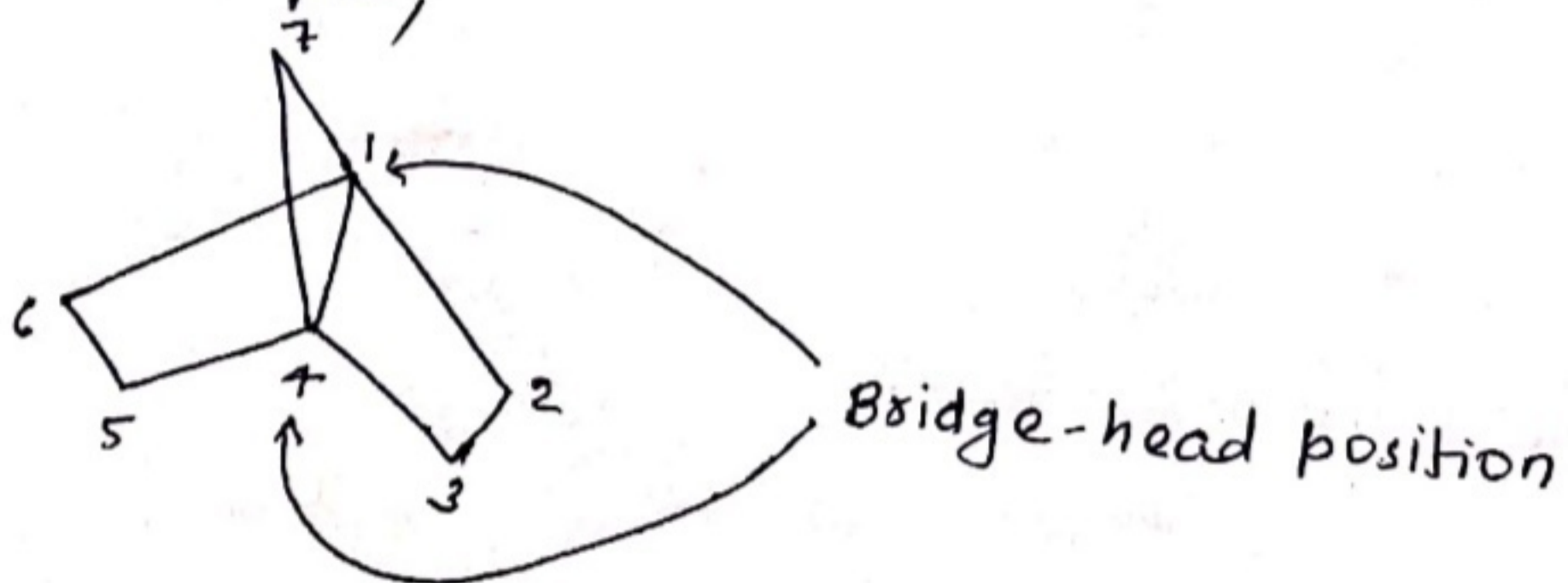
DEGREE-I (HONS.), PAPER-II

CHAPTER-1, GROUP-B, 14/12/2020

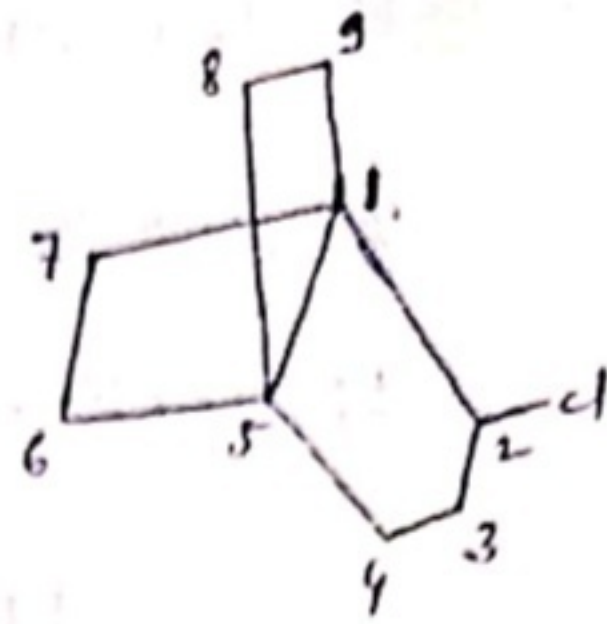
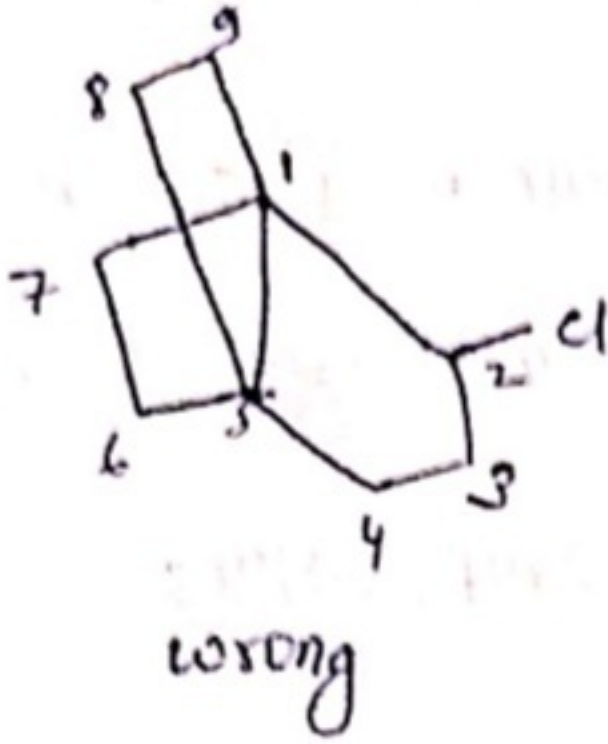
2020-23 **TRICYCLO COMPOUNDS** Lecture-7

- * compounds with three fused rings are called tricyclo compounds.
- * The prefix tricyclo is followed by the name of alkane whose number of 'C' atoms is equal to the number of 'C'-atoms in the rings.
- * The bracketed numbers show the no. of C-atom (except the bridge-head position) in each bridge and they are cited in decreasing order.

For example;



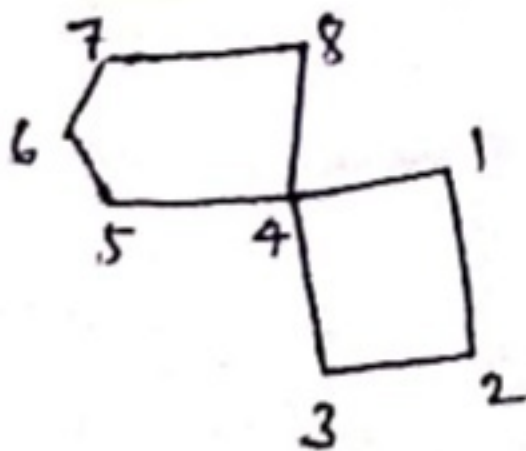
Tricyclo [2.2.1.0] heptane



NAMING OF SPIRANES

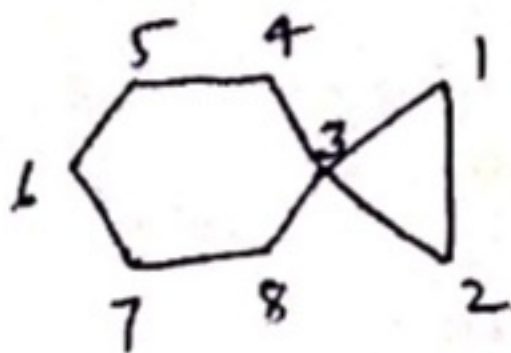
- * Spiranes are polycyclics that share only 'c' atom.
- * In substituted spiranes, the numbering is started next to the fused C-atom in the lower-membered ring.

For example;



IUPAC name

Spiro [3.4] octane



Spiro [2.5] octane.

Completed
