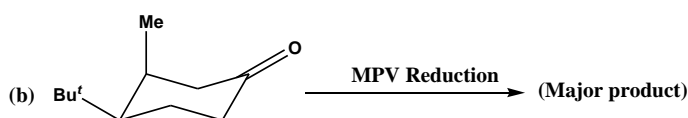
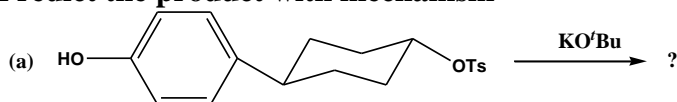


Question for Internal Assessment
5th Semester Chemistry Honours
Department of Chemistry
Raiganj Surendranath Mahavidyalaya
Paper code: CEMHDCT12, FM-10, Time: 30 Minutes

Answer all

1. Draw the preferred conformation of *trans*-2-halocyclohexanol. 2

2. Predict the product with mechanism 3



3. Between *cis* and *trans* isomer of 4-*t*-butylcyclohexane carboxylate which one undergo faster hydrolysis and why? 2

4. Draw the preferred conformation of 3
(a) *trans*-2-isopropyl-5-methylcyclohexanone (b) 4-hydroxy N-methyl piperidine (c) *trans*-2,5-dichloro 1,4-dioxane