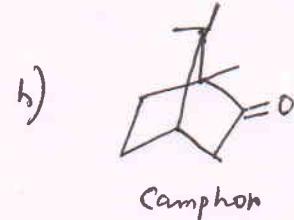
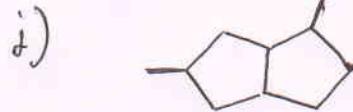
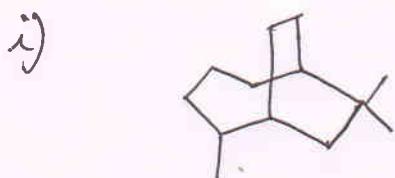
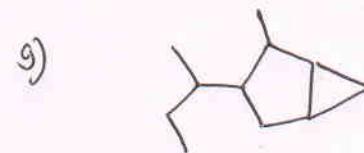
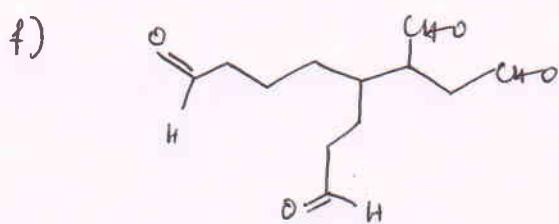
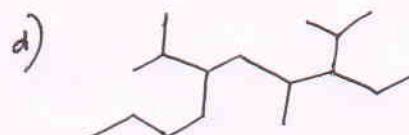
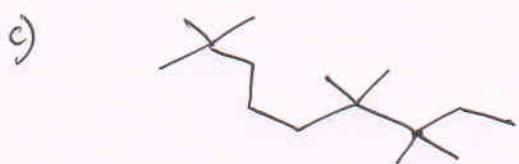
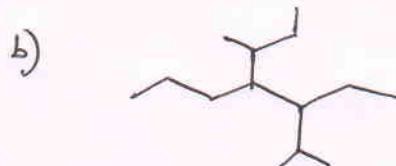
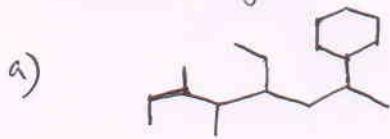


Problem Set - Nomenclature

1. Provide systematic name for the following compounds --



2. Write structures for the following bicyclic alkanes.

a) Bicyclo[1.1.0]butane    b) Bicyclo[2.1.0]pentane

c) 2-Chlorobicyclo[3.2.0]heptane

d) 7-Methylbicyclo[2.2.1]heptane

e) 2,2,4,4-Tetraethylbicyclo[1.1.0]butane

3. Menthol, isolated from various mint oils, is used in the treatment of minor throat irritation. Draw both chair conformations of menthol, and indicate which conformation is lower in energy.

