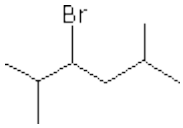
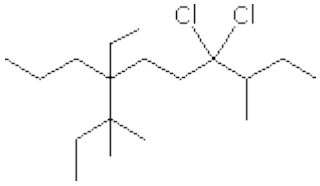
College of Natural and Computational Science

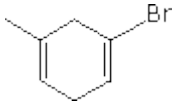
Department of Chemistry

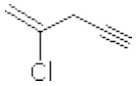
General Chemistry Group Assignment (10%)

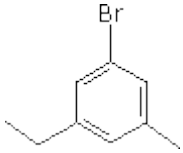
1. Write structural Formula of the following organic compounds(2pt).
   a. 7-ethyl-5-isopropyl-2,6-dimethyl nonane
   b. 2-methoxybenzaldehyde
   c. 3-hydroxy-4-methylpent-4-enal
   d. 2,5,6.7-tetramethyldecane
2. Write IUPAC Name of the following organic compounds (3pt).

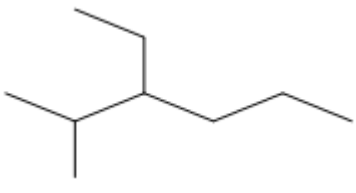
(a) 

(b) 

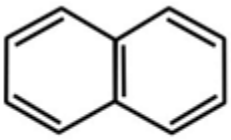
(c) 

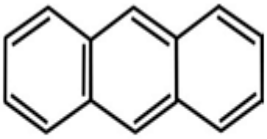
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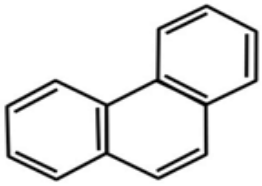
(e) 

(f) 

3. There are five cyclic isomeric alkanes of formula C_5H_{10}. Draw and name these compounds (2pt).
4. Find the number of pi (π) electrons in the naphthalene, anthracene and phenanthrene(3pt).

(a)  naphthalene

(b)  anthracene

(c)  phenantherene