EXERCISE 12
Chem 100
(Due _____)
10 points

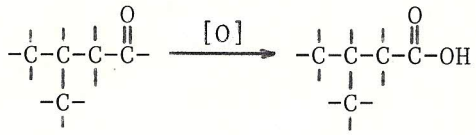
Name _____
(last) (first)

Lecture Section #_____ Instructor _____

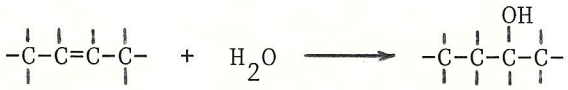
A. For each of the equations below, write the letter that corresponds to the type of reaction given.

(A) oxidation
(B) addition
(C) substitution
(D) condensation
(E) hydrolysis
(F) neutralization

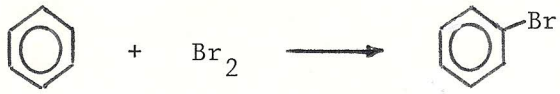
1. $2\ CH_3CH_2OH \longrightarrow CH_3CH_2OCH_2CH_3 + H_2O$ 1. _____

2.  2. _____

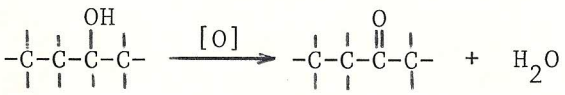
3.  3. _____

4.  4. _____

5.  5. _____

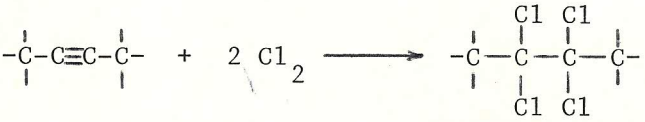
6.  6. _____

7.  7. _____

8.  8. _____

9.  9. _____

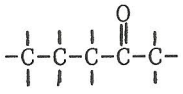
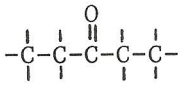
10. $C_3H_4 + 5\ O_2 \xrightarrow{\Delta} 3\ CO_2 + 4\ H_2O$ 10. _____

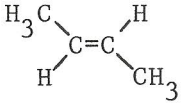
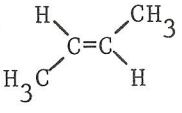
11.  11. _____

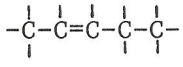
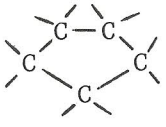
(over)

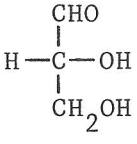
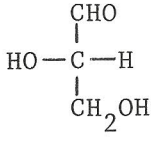
B. For each pair of molecules below, write the letter that corresponds to the type of isomerism exhibited.

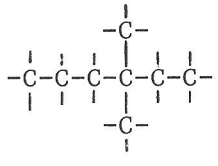
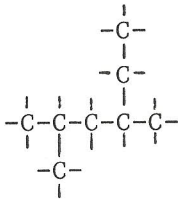
A skeletal	**C** functional	**E** optical
B positional	**D** geometrical	**F** same compound

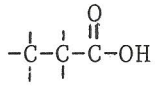
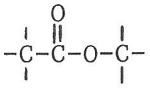
1.  and  1. _____

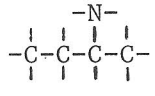
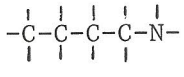
2.  and  2. _____

3.  and  3. _____

4.  and  4. _____

5.  and  5. _____

6.  and  6. _____

7.  and  7. _____