BLITZ: Ch 29 Organic

Form M-R

Name _____ Period ____

This is a Take Home Exam. You may use your notes but you may NOT use help from human beings.

EXPLAIN IN COMPLETE SENTENCES AND GIVE EXAMPLES:

You MUST HAND WRITE THIS EXAM!! NO TYPED PAPERS WILL BE ACCEPTED!

1. List and tell the functions of five steps of petroleum processing.
2. Draw the structural formula for an alkene with at least one side group and name it.
3. Give five reasons why there is such a huge number of organic compounds.
4. Draw a Benzene ring with one methyl group and three nitro groups and name it.
5. Explain: Denatured Alcohol, Absolute Alcohol, and Proof of Alcohol.
6. Write the reaction between 1-nitro-2-butyne + Iodine. (A halogen addition) & name the product formed.
7. Give five comparisons between Organic and Inorganic Compounds.
8. Write the structural formula for an Organic Acid with one side group and name it.
9. Write a polymerization (cat-poly) reaction for 1-iodo-1-ethene.
10. Write "2-methyl-1,3-butadiene" and show how it becomes rubber by a cat-poly reaction.
11. Write "ethyl propanoate" and draw its structural formula.
12. Write the reaction between 2-methyl-1-propene and Bromine and name the product formed.
13. Describe the Triple Bond and write the reaction between 1-ethyne + Iodine & name the product formed.
14. Write "1,4-dichlorobenzene" (moth crystals) and draw its structure.
15. Write "1-fluoro-2,3-butadione" and draw its structural formula.
16. Write the esterification reaction of Methanol with Ethanoic Acid. Name the product.
17. Define "Isomers" and give an example of a cis-trans isomer and name it.
18. Write and balance the reaction for the combustion of pentane plus oxygen (burn it).
19. Write "1-fluoro-2,2-dibromopropane" and draw its structural formula.
20. Write "3,3,4,4,4-pentanitro-1-butyne" and draw its structural formula.
21. Discuss three reasons why the double bond is so very reactive.
22. Describe the double bond and give three reasons why it is super reactive.
23. Write "2-chloro-1-propylamine" and draw its structural formula.
24. Draw an Aldehye with five carbons, an cyano, and two iodo's and name it.
25. Draw a structural formula for a compound with three -OH group and name it.

When finished, please STAPLE this exam onto your papers and turn in on due date.