**Stat 481 - Quiz (03/30/2016) Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

One-Way ANOVA model:

1. With one fixed effect
2. what are the model assumption for fixed-effect model ? Any constraints?
3. Find all parameters in the fixed-effect model with assumption in (1).
4. What is the main objective of the data analysis with fixed effect?
5. Distribution of the response Yij
6. With one random effect
7. what are the model assumption for random-effect model ? Any constraints?
8. Find all parameters in the random-effect model with assumption in (1).
9. What is the main objective the data analysis with fixed effect?
10. Distribution of the response Yij