

01AB785 Agricultural Research Methodology  
Spring AB 2018  
Feedback Quiz 7 (Experimental Design)  
Total Points 10

**Name:**

**ID:**

1. Ideally the experimental group is compared to concurrent/local control rather than historical controls. (True/ False).
2. Replication increase precision of experiment. (True/ False)
3. Randomization does not allow the later use of probability theory. (True/ False)
4. Explain one-factor ANOVA and Two-factor ANOVA with examples.

5. Please note the parameters need to consider in Completely-Randomized Design (CRD).

6. CRD cannot be used for any number of treatments. (True/ False).

7. Compare CRD and RCB design with layout.

8. The experimental units within a block in RCBD model must be homogeneous. (True/ False)

9. When and how you can use Latin Square Design?

10. The effect of each treatment on the response must not be approximately the same across rows and columns in LSD. (True/ False).