**Testing of Hypothesis**

1. ANOVA
2. Assumptions of ANOVA
3. Procedure of 1-way ANOVA.
4. Least Significance difference test /Critical difference
   * Tukey Test
   * DMRT Test
   * Scheffe test
5. 1-way ANOVA with unequal replication
6. Post Hoc tests
7. 2-way ANOVA
   * Advantages
   * Procedure
   * With & without interaction
8. Model
9. Definitions
10. Errors
11. Principles of design of experiments
12. Functions of replications
13. Difference between Random, Systematic error
14. Factors responsible for determining number of replications
15. Randomization
    * Functions
16. Local control
    * Functions

**Testing of Hypothesis**

1. Single Factor Experiment
2. Multi Factor Experiment
3. Completely Randomized design
4. Construction of Layout
5. Procedure for CRD Layout
6. Coefficient of variance
7. One - way ANOVA
8. Advantages, Disadvantages of CRD
9. RCBD
   * Layout
10. Procedure for Randomization & Layout Construction
    * 2 - way ANOVA blocks
    * Model
11. Relative efficiency of RCBD over CRD.
12. Missing data in RCBD
13. Missing plot technique
    * Procedure in RCBD