**Answer the following equation:**

Q1. Why Temperature Of The Soil Is An Important?

Q2.Why Use Hydrogen Peroxide H2o2 For Determination Soil Texture ?

Q3.Why Identifying The Sampling Location Is Important ?

Q4.Define K Sat

Q5. Why For A Dry Soil Sample , The Soil Sample That Has Been Dried To Constant Weight Put In Oven At Temperature Between 100 – 110 O C (105 O C Is Typical)?

Q6.What Is The Difference Between Disturbed Samples And Un Disturbed Sample?

Q7. What Is The Relation Between Soil Water Content And Hydraulic Conductivity?

Q8.Why Soils With High Sand Texture Are Light Gray To White Color?

Q9. How Organic Matter (Humus) Giving Plant Capacity For Growth?

Q 10.Write About Factors Affecting Soil Ec.

Q 11. What Is The Relation Between Compactness Of The Soil And Bulk Density , Why Weight Of Bulk Density Smaller Than Particle Density

Q12. Find Pore Space If Weight Of Oven Dry Soil 252.3gm. The Soil Core Is Placed In Water Bath Until Became Saturate Weight Saturate Soil 276.5 Gm.

Q13. Write About Factors Effecting Bulk Density?

Q14. Selection Of The Sample Container Used To Collect And Store The Sample Include

Q15. Cfu Refer To What?

Q16.What Is The Relation Between Ph And Dilution ?

Q17.Why We Use Thermometer For Soil Texture Determination?

Q18.Write About Classification Of Water?

Q20.Write Some Characteristic Of Saturate Soil?

Q21. Explain The Sub Soil Color Under Aerobic And Anaerobic Condition?

Q22. Write The Name Of Procedures Can Be Applied To Increase The Period Available For Transport And Storage?

Q23..Define Slaked Lime ?

Q24. What Is The Different Between Sandy Soil And Clay Soil Of Porocity? Why The Mineral Soils Have 50% Porosity?

Q25. Why Gravitational Water Unavailable For Plant?

Q26. Why Hb Is Equal Zero During Determination Hydraulic Conductivity?

Q27.Define Percolation?

Q28. Determine Mass Of Burned Soil If Mass Of Organic Matter 1.5gm, Mass Of Porcelain Dish 59 Gm , Mass Porcelain Oven Dry Soil 99.5gm

Q29. How Soil Ph Influence On Plant Growth?

Q30. What Are Important Things You Tacking To The Field During Sampling?