Soil Mechanics: Exp 1- Water Content

1. Soil water content is expressed on what basis
2. Gravimetric
3. volumetric
4. Both a and b
5. none
6. Water content affects
7. Strength and settlement of soils
8. Sensitivity
9. Relative dendity
10. None
11. The water content of clays are generally \_\_\_\_\_\_\_\_ sand and silts
12. Greater than
13. Equal to
14. Less than
15. None
16. The standard method of determining water content is
17. Oven-drying method
18. Calcium carbide method
19. Alcohol method
20. Pycnometer method
21. Water content for dry soil is equal to
22. 0
23. <0
24. >0
25. <=0
26. Pycnometer is used to determined
27. Water content and void ratio
28. Specific gravity and dry density⁰⁰
29. Water content and specific gravity
30. Void ratio and dry density
31. The water content of soil is defined as the ratio of
32. Volume of water to volume of given soil
33. Volume of water to volume of voids in soil
34. Weight of water to weight of air voids
35. Weight of water to weight of solids of given mass of soil
36. Water content of a soil sample is the difference of weight of given sample at the temperature and the weight determined after drying it for 24hrs at temperature ranging from ⁰c
37. 80⁰ c to 90⁰c
38. 90⁰c to 95⁰c
39. 95⁰c to 100⁰c
40. 105⁰c to 110⁰c
41. Water content for saturation soil is
42. =0
43. <0
44. >0
45. <=0
46. The ratio of the weight of given volume of soil solids to the weight of an equal of distilled water at the given temperature, is known
47. Porosity
48. Specific gravity
49. Void ratio
50. Water content
51. Water content w in %
52. W<0
53. 0<w>100
54. 0≤ w ≥100
55. W≥100