

1. density is defined as the ratio of -----.

(i) m/v (ii) w/v (iii) None of these (iv) all of these

2. sp weight is also called as weight density. (true or false)

(i) false (ii) true (iii) both (i) & (ii) correct (iv) both (i) & (ii) incorrect

3. geotech means to know the study of behavior of -----.

(i) soil (ii) cement (iii) fluid (iv) brick

4. The unit of density is -----.

(i) N/cum (ii) KN/cum (iii) pascal (iv) kg/cum

5. Ratio of weight of water to weight of soil is -----.

(i) density (ii) sp. weight (iii) void ratio (iv) water content

6. unit of water content is -----.

(i) pascal (ii) bar (iii) KN/cum (iv) percentage

7. soil mass as a three phase system consists -----.

(i) soil & air (ii) water & air (iii) soil, water and air (iv) water

8. Ratio of volume of voids to volume of solids is called as -----.

(i) porosity (ii) density (iii) void ratio (iv) spg

9. Density of water is -----.

(i) $1000 kg/cum$ (ii) $1 gm/cum$ (iii) none of these (iv) both (i) & (iii) correct

10. unit weight is equal to -----

(i) Wg (ii) Mg (iii) Gg (iv) none of these

11. $G = \text{density of soil} / \text{density of water}$ (true or false).

(i) true (ii) false (iii) both (i) & (ii) correct (iv) both (i) & (ii) incorrect

12. $g =$ -----.

(i) $1 gm/cum$ (ii) $6 gm/cum$ (iii) $9.81 N/cum$ (iv) $m/sq \text{ second}$

13. specific gravity of water is -----.

(i) 3 (ii) 4 (iii) 5 (iv) 1

14. Ratio of volume of water to volume of volume of voids is called as -----.

(i) degree of saturation (ii) water content (iii) air content (iv) porosity

15.1 pascal is equal to-----.

(i)kn/sqm(ii)Mn/sqm(iii)kg/sqm(iv)N/sqm

16.water content is also called as moisture content.

(i>true(ii>false(iii)none of these(iv)all of these

17.-----soil is suitable for manufacturing a brick.

(i)sandy(ii)silty(iii)gravelly(iv)clay

18.air content is equal to percentage of air voids.

(i>true(ii>false(iii)none of these(iv)both (i)&(ii)in correct

19.g=G

(i>true(ii>false(iii)both (i)&(ii)correct(iv)both(i)&(ii)in correct

20.The main objective of geotechnical engg is-----.

(i)To know the behavior of forces

(ii)To know the behavior of stress

(iii)To know the behavior of sand

(iv)to know the behavior of soils

GIST - DIPLOMA