1. Gross and net bearing capacities will be same when the structure is founded at……
2. The two criteria for the determination of bearing capacity of a foundation are…..
3. Factor of safety should be applied only to the net ultimate bearing capacity and not to the surcharge pressure due to the depth of the foundation.(true/false)
4. The safe bearing capacity values tabulated in building codes and codes of practice are known as ----bearing capacity values.
5. Terzaghi's method for bearing capacity is an extension and an improved modification of the method proposed by…..
6. The values of terzaghi's bearing capacity factors depend only upon the value of…
7. For $\Phi=0^o$, the terzaghi bearing capacity factors are
   a) $N_c=1$, $N_q=5.7$,$N_\Upsilon=0$
   b) $N_c=0$, $N_q=5.7$,$N_\Upsilon=1$
   c) $N_c=5.7$, $N_q=1$,$N_\Upsilon=0$
   d) $N_c=1$, $N_q=0$,$N_\Upsilon=5.7$
8. Terzahi suggests that the parameters c' and Φ' for local shear failure in terms of c and Φ for general shear as…. and ….
9. Two footings, one circular and the other square , are founded in pure clay.the diameter of the circular footing is the same as the side of the square footing. The ratio of their net ultimate bearing capacities
   a) Is unity
   b) Is 1.3
   c) Is 1/1.3
   d) Cannot be determined without some more data.
10. Two footings, one circular and the other continuous, are founded at the same depth in a pure clay.The diameter of the circular footing is the same as the width of the continuous footing.The ratio of their net ultimate bearing capacities is ….

Answers

1. Ground surface
2. Shear failure,settlement
3. True
4. Presumptive
5. Prandtl.l
6. The angle of internal friction of the soil
7. C
8. C’=2/3c, Φ’=(2/3)tanΦ
9. A

10.1.3