Question 1 (10 points)

Complete the following:

A. Three typical types of foundation are:
   1. ______________________________
   2. ______________________________
   3. ______________________________

B. Four geotechnical in situ tests commonly used in site investigation for bearing capacity and settlement determination are:
   1. ______________________________
   2. ______________________________
   3. ______________________________
   4. ______________________________

Question 2 (10 points)

Write typical value for each of the following parameters:

1. Typical Compressive Strength of Concrete after 28 days is ________________

2. Typical Tensile Strength of Steel is ________________________________

3. Typical value for Deformation Modulus of Silty Sand is ________________

4. Influence zone under a square footing of $B$ width is ________________

5. Influence zone under a rectangular footing of $B$ width, $L$ length is __________