
Civil Engineering Test

- 1) **A sewage system in a city is considered an infrastructure?**
True
False
- 2) **An Infrastructure is something that can only be seen in common everyday life**
True
False
- 3) **Offshore structures consist of oil platforms and solar panels**
True
False
- 4) **Civil engineers focus on the strength of buildings in relationship to the:**
 - a) Building load and maximum occupancy
 - b) Building load and natural forces
 - c) Building load and building size
 - d) Building load and foundation strength
- 5) **Architectural engineering (AE) is the application of practice and theory to the engineering design of building systems?**
True
False
- 6) **Architectural engineers apply their discipline-specific to design only?**
True
False
- 7) **Simply put, bridges are classified in two categories; suspension bridges and beam bridges?**
True
False
- 8) **A bridge in which the weight of the deck is supported by vertical cables suspended from larger cables that run between towers and are anchored in abutments at each end.**
 - a) Suspension
 - b) Beam
 - c) Arched
 - d) Cathedral
- 9) **A bridge with abutments at each end shaped as a curve. Works by transferring the weight of the bridge and its loads partially into a horizontal thrust restrained by the abutments at either side.**
 - a) Suspension
 - b) Beam
 - c) Arched
 - d) Cathedral

- 10) **A bridge supported by an abutment or pier at each end. No moments are transferred throughout the support, hence their structural type is known as simply supported.**
- a) Suspension
 - b) Beam
 - c) Arched
 - d) Cathedral
- 11) **The substructure at the ends of a bridge span or dam whereon the structure's superstructure rests or contacts.**
- a) Pier
 - b) Abutment
 - c) Load
 - d) Footing
- 12) **Vertical loadbearing member such as an intermediate support for adjacent ends of two bridge spans:**
- a) Pier
 - b) Abutment
 - c) Load
 - d) Footing
- 13) **The action or state of being squished down or made smaller or more pressed together. When a pile of material is squished together and made smaller and more dense:**
- a) Compression
 - b) Tension
 - c) Torsion
 - d) Load
- 14) **The pulling force transmitted axially by the means of a string, a cable, chain, or similar one-dimensional continuous object, or by each end of a rod, truss member, or similar three-dimensional object:**
- a) Compression
 - b) Tension
 - c) Torsion
 - d) Load
- 15) **The action of twisting or the state of being twisted, especially of one end of an object relative to the other:**
- a) Compression
 - b) Tension
 - c) Torsion
 - d) Load