Assignment 11

The deadline for submitting this assignment is 12:00 AM (Midnight) on 2020-04-15, 23:59 EDT.

1) Chloride ions present in concrete (say, 0.6%) could cause substantial de-carbonisation of steel in 10% of cases because the pH of concrete is always high.

- True
- False

No, the answer is incorrect.

2) Subsides which are passed by which of the following causes most damage to concrete?

- Calcium sulphate
- Magnesium sulphate
- Al sulphate from seawater
- Sublimes do not damage concrete

No, the answer is incorrect.

3) The carbonation induced shrinkage in concrete depends on the relative humidity of the environment.

- Carbonation induced shrinkage does not change the pH of the concrete.
- Carbonation induced shrinkage does not change the porosity of the concrete.
- Carbonation induced shrinkage does not change the alkalinity of the concrete.
- Carbonation induced shrinkage changes the pH of the concrete.

No, the answer is incorrect.

4) Essential condition for steel aggregate reaction to occur

- Presence
- Reactivity aggregates
- Substrate
- Grain size

No, the answer is incorrect.

5) Effects of air entrainment in concrete is:

- Reduces strength
- Reduces porosity
- Reduces permeability
- Reduces durability

No, the answer is incorrect.

6) Which back nose technique is used in the production of Self-Compacting Concrete (SCC)?

- Slump test
- V-funnel
- L-box
- J-box

No, the answer is incorrect.

7) Coarse fines can be added to cement paste shrinkage early in concrete.

- Polypropylene fibres can be used in high strength concrete to reduce fire damage in concrete.
- GGBS can be used in high strength concrete to reduce fire damage in concrete.
- CSHEX (63/65) are correct.
- CSHEX (68/65) are correct.
- CSHEX (68/75) are correct.

No, the answer is incorrect.

8) Which of the following is incorrect?

- Blanket
- Texture
- Load carrying
- Adequate
- None of these

No, the answer is incorrect.

9) Moisture content can be used in:

- Decrease strength
- Security planning
- Against the risk of injury when broken
- Noise protection
- All of these

No, the answer is incorrect.

10) Moisture can be used in the construction of a structural floor when it is designed considering its:

- Void strength
- Tenacity strength
- Toughness
- U-virus

No, the answer is incorrect.

Answering Tips:

- Review your course materials.
- Consult your notes and textbook.
- Practice with sample questions.
- Seek help from peers or instructors.

Due on 2020-04-15, 23:59 EDT.