Assignment 11

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

1) Match the following:

1. Concentration Polarization  A. External source of voltage
2. Ohmic Polarization  B. Concentration of reactants
3. Activation Polarization  C. Resistivity of media

- 1- A, 2- B, 3- C
- 1- A, 2- C, 3- B
- 1- B, 2- A, 3- C
- 1- A, 2- B, 3- C

No, the answer is incorrect. Score: 0
Accepted Answers: 1- A, 2- B, 3- C

2) Some of the factors to prevent/reduce corrosion are:

- Quality of raw concrete
- Use of blended cement
- Use of waterproofing
- All of the above

No, the answer is incorrect. Score: 0
Accepted Answers: All of the above

3) The major factors considered in corrosion propagation models are:

- High modulus
- Moisture content
- Density of rust
- All of the above

No, the answer is incorrect. Score: 0
Accepted Answers: Young’s modulus

4) Which of the following is a qualitative measure of density?

- Compressive strength
- Crack density
- Permeability
- Porosity

No, the answer is incorrect. Score: 0
Accepted Answers: Porosity

5) Interconnected pores lead to:

- High permeability
- Low permeability
- It doesn’t affect permeability of concrete
- Porosity of concrete is reduced

No, the answer is incorrect. Score: 0
Accepted Answers: High permeability

6) Which of the following governs the ingress of fluids in concrete?

- Air
- Pore size
- Pore shape
- All of the above

No, the answer is incorrect. Score: 0
Accepted Answers: All of the above

7) For reducing the pore size in high strength concrete _________ can be used in addition to water reducing admixtures.

- Silica fume
- Fly ash
- Clay
- Fine aggregate

No, the answer is incorrect. Score: 0
Accepted Answers: Silica fume

For Q2 to 10, according to IS requirements, for the base plan of an offshore structure, the minimum cement content should be _______.

No, the answer is incorrect. Score: 0
Accepted Answers: (Typical Numerical)

8) maximum water cement ratio should be ________.

No, the answer is incorrect. Score: 0
Accepted Answers: (Typical Numerical)

10) the minimum grade of concrete should be ______.

No, the answer is incorrect. Score: 0
Accepted Answers: (Typical Numerical)