

Multiple Choice Questions' Bank:

1. Corrosion of metals involves

- (a) Physical reactions (b) Chemical reactions (c) Both (d) None

2. The following factors play vital role in corrosion process

- (a) Temperature (b) Solute concentration (c) Both (d) None

3. Following equation is related to corrosion rate

- (a) Nernst equation (b) Faraday's equation (c) Either (d) Neither

4. Passivity is due to

- (a) Higher EMF (b) Lower EMF (c) Oxide film (d) All

5. Passivity is not reason for inertness of the following

- (a) Au (b) Al (c) Ti (d) Ni

6. Difficult to monitor and very dangerous form of corrosion

- (a) Galvanic (b) Pitting (c) Crevice (d) Stress

7. This form of corrosion occurs due to concentration difference in a component

- (a) Uniform (b) Galvanic (c) Inter-granular (d) Stress

8. Main form of ceramic degradation

- (a) Corrosion (b) Weathering (c) Dissolution (d) Swelling

9. The following influences deterioration of polymers

- (a) Weather (b) Radiation (c) Temperature (d) All

10. Following is not the main form of polymer deterioration

- (a) Corrosion (b) Swelling and Dissolution (c) Weathering (d) Scission

11. When Pt and Co are electrically connected, which one gets corroded

- (a) Pt (b) Co (c) None (d) Can't decide

12. Which of the following can be used for cathodic protection:

- (a) Al                      (b) Cd                      (c) Cu                      (d) Either

Answers:

1. b
2. c
3. b
4. c
5. a
6. b
7. c
8. c
9. d
10. a
11. b
12. a