Assignment 8

Due date for submitting this assignment was passed. As per our records you have not submitted this assignment.

INSTRUCTIONS
(10) The marks that each question carries is marked against the question.
(12) There can be more than one correct answers for a question.

1) Stress corrosion cracking is the result of
   a) Stress corrosion cracking
   b) Presence of stress
   c) Presence of metal
   d) Presence of water
   e) Presence of oxygen
   f) Presence of corrosive environment
   g) Presence of chemicals

No, the answer is incorrect.
Score: 0

2) Stress corrosion cracking causes
   a) Brittle fracture
   b) Ductile fracture
   c) Creep rupture
   d) Fatigue failure
   e) Fatigue failure
   f) Hydrogen embrittlement

No, the answer is incorrect.
Score: 0

3) Stress corrosion cracking does not affect
   a) Ductility of metals
   b) Fracture toughness of metals
   c) Ultimate tensile strength of metals
   d) Fatigue strength of metals
   e) Fatigue strength of metals

No, the answer is incorrect.
Score: 0

4) In chloro medium the following alloys are susceptible to stress corrosion cracking
   a) 316 SS
   b) 316 SS
   c) 410 SS
   d) 316 SS
   e) 316 SS

No, the answer is incorrect.
Score: 0

5) Cathodic protection reduces failure of metals due to
   a) Stress corrosion cracking
   b) Hydrogen embrittlement
   c) Hydrogen embrittlement
   d) Cathodic protection
   e) Electrochemical corrosion

No, the answer is incorrect.
Score: 0

6) Hydrogen embrittlement is prone to
   a) Uniform corrosion
   b) Hydrogen embrittlement
   c) Hydrogen embrittlement
   d) Cathodic protection
   e) Hydrogen embrittlement

No, the answer is incorrect.
Score: 0

7) High temperature (550°C) high pressure hydrogen atmosphere cause premature failure of
   a) Carbon steel
   b) 316 SS
   c) 410 SS
   d) INCO 718
   e) INCO 718

No, the answer is incorrect.
Score: 0

8) Sulphide reducing bacteria affects metals
   a) It causes it metallostatic metals
   b) Sulphate ions are present in the medium
   c) Hydrogen sulphide is present in the medium
   d) Conditions are acidic
   e) Conditions are anaerobic

No, the answer is incorrect.
Score: 0

9) Stress corrosion cracking of 316L SS in chlorides can be eliminated
   a) The applied stress is reduced below yield strength
   b) Stress intensity factor lowered below 12
   c) Lowering the temperature
   d) Applying a compressive stress
   e) None of the above can eliminate

No, the answer is incorrect.
Score: 0

Due on 2020-12-09, 23:59 IST.