

Unit 2 - Week 0

Course outline

How does an NPTEL online course work?

Week 0

Quiz : Assignment 0

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Week 2

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Assignment 0

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

Due on 2020-09-14, 23:59 IST.

1) Corrosion rates for zinc and iron sheets in sea water are

1 point

- Equal
 Zinc corrodes more than iron
 Zinc corrodes less than iron
 None will corrode

No, the answer is incorrect.
Score: 0

Accepted Answers:
Zinc corrodes less than iron

2) Electrically shorted copper and zinc are immersed in sea water. At what concentration ratio of zinc ions to copper ions, will the copper stop inducing galvanic corrosion of zinc? 1 point

- 1.6×10^{37}
 2.5×10^{37}
 3.3×10^{37}
 4.1×10^{37}

No, the answer is incorrect.
Score: 0

Accepted Answers:
 1.6×10^{37}

3) What material will you choose for a pressure tube handling water at 80°C and having 300 ppm of chloride? 1 point

- Stainless Steel
 Carbon Steel
 Cupro-nickel alloy
 Brass

No, the answer is incorrect.
Score: 0

Accepted Answers:
Cupro-nickel alloy

4) A pipeline made of AISI 304 stainless steel joined with a flange is carrying about 200 ppm of chloride containing water. With respect to the internal corrosion of the pipeline

- It will corrode at the same rate all through the pipeline
 It will suffer preferential corrosion at the mouth of the flange joint
 It will suffer preferential corrosion just below the mouth of the flange joint
 It will suffer preferential corrosion deep inside the flange
 It will suffer preferential corrosion at the outermost location of the flange joint

No, the answer is incorrect.
Score: 0

Accepted Answers:
It will suffer preferential corrosion just below the mouth of the flange joint

5) Which of the following will suffer weld decay on welding? 1 point

- Carbon steel
 AISI 304 stainless steel
 Alpha brass
 AISI 321 stainless steel
 Titanium

No, the answer is incorrect.
Score: 0

Accepted Answers:
AISI 304 stainless steel