Assignment 8

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

Due on 2019-04-24, 23:59 IST.

1) Preheat temperature for the welding of martensitic stainless steel depends upon
   - Composition
   - Thickness of plate
   - Filler
   - All of above

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

2) Post weld heat treatment of martensitic stainless steel weld joint is mandatory if it has carbon content
   - Less than 0.1%
   - More than 0.1%
   - Less than 0.2%
   - More than 0.2%

   No, the answer is incorrect.
   Score: 0
   Accepted Answers: More than 0.2%

3) PWHT (1400-1500 °F) of the ferritic stainless steel leads to
   - Formation of Chromium carbide
   - Dissolution of carbide
   - Spheroidization of carbides

   No, the answer is incorrect.
   Score: 0
   Accepted Answers: Formation of Chromium carbide
5) “3xx” series austenitic stainless steel with suffix ‘H’ is showing the presence of
- High N
- High H
- High C
- High He

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

6) Tendency for distortion is found more in weld joint of
- First generation ferritic stainless steel
- Second generation ferritic stainless steel
- Martensitic stainless steel
- Austenitic stainless steel

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

7) Sensitization in the austenitic stainless steel is primarily related to the
- Fracture due to stress corrosion cracking
- Pitting corrosion along the grain
- Sigma phase formation
- Weld decay

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

8) Formation of chromium carbide in the weldment of austenitic stainless steel takes place at
- Peak temperature during welding
- 1000°C - 1200°C
- 650°C - 850°C
- 250°C - 450°C

No, the answer is incorrect.
Score: 0
Accepted Answers:
9) The precipitation hardenable stainless steel (PHSS) weld joint prone to cracking has matrix of
- Martensitic
- Semi-austenitic
- Austenitic
- All of above

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

10) Welding process NOT preferred for welding of precipitation hardenable stainless steel is
- GTAW
- GMAW
- Plasma arc welding
- SMAW

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