Assignment 12

The due date for submitting this assignment has passed. Due on 2018-04-18, 23:59 IST.

Submitted assignment

1) Increase in the hardenability of steel 1 point
   - Increases weldability
   - Decreases weldability
   - Does not affect the weldability
   - First increases and then decreases the weldability

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

2) The Type of cast iron that has minimum weldability is 1 point
   - Gray cast iron
   - White cast iron
   - S.G. iron
   - Malleable cast iron

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

3) While discussing weldability of materials, metallurgical compatibility implies that base metal and weld metal can be combined within degree of dilution 1 point
   - without production of deleterious phases
   - with production of deleterious phases

No, the answer is incorrect.
Score: 0
Accepted Answers: without production of deleterious phases
4) Which of the property of austenitic stainless steel (as compared to common carbon steels) can be considered to adversely affect its weldability

- More electrical resistance
- Less melting point
- Large thermal conductivity
- Large thermal expansion

No, the answer is incorrect.  
Score: 0
Accepted Answers: 
**Large thermal expansion**

5) Which of the following type of stainless steel possess ductility even at very low temperature?  

- Austenitic stainless steel
- Ferritic stainless steel
- Martensitic stainless steel
- Any of the above

No, the answer is incorrect.  
Score: 0
Accepted Answers: 
**Austenitic stainless steel**

6) While welding nodular cast iron, you must avoid

- Mg loss
- Increase in nodularization
- Increase in carbon content
- Decrease in Sulfur content

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

7) Post weld heat treatment of gray cast iron

- Promotes formation of white cast iron
- Maximizes excessive cooling stresses
- Minimizes excessive cooling stresses
- Any of the above

No, the answer is incorrect.  
Score: 0
Accepted Answers: 
**Minimizes excessive cooling stresses**

8) During welding of Aluminium, the challenges are posed due to

- High value of thermal conductivity
- Oxide forming tendency
- High value of coefficient of linear expansion
- All of the above
9) Which of the following reasons can be the reason for the formation of cracks in the welded joint.

- Poor ductility of base metal
- Rigidity of joint
- High hardenability of the material
- All of the above

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

10) Overlap is a type of welding defect that can be classified under the category of

- Imperfect shape/profile
- Solid inclusions
- Incomplete penetration
- Cavities

No, the answer is incorrect.
Score: 0
Accepted Answers:
Imperfect shape/profile