Assignment No. 10

The due date for submitting this assignment has passed. Due on 2019-10-09, 23:59 IST. As per our records you have not submitted this assignment.

1) Choose the correct option with respect to creep grinding
   - Low MRR
   - Poor control over dimensions
   - High depth of cut
   - High feed rate

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   High depth of cut

2) Choose the correct option regarding various grinding operations
   - Honing is used to finish the internal surfaces
   - In lapping, a slurry of abrasive materials is used between tool and workpiece

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

3) The process offering the maximum thermal efficiency is
(unit? unit=68&lesson=69)

- Lecture 47: Joining of metals: Fundamentals I (unit? unit=68&lesson=70)
- Lecture 48: Joining of metals: Fundamentals II (unit? unit=68&lesson=71)
- Lecture 49: Joining of metals: Welding processes I (unit? unit=68&lesson=72)
- Lecture 50: Brazing, soldering and weldability (unit? unit=68&lesson=73)

Quiz:
Assignment No. 10 (assessment? name=110)
Solution for Assignment No. 10 (unit? unit=68&lesson=131)

Week 11
Week 12
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- Laser beam welding
- Submerged arc welding
- Tungsten inert gas welding
- Shielded metal arc welding

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

4) The process where flux coating is used to protect the weld pool from atmospheric gases is
   - Shielded metal arc welding
   - Laser beam welding
   - Submerged arc welding
   - Tungsten inert gas welding

No, the answer is incorrect.
Score: 0
Accepted Answers:
Shielded metal arc welding

5) Choose correct option for electron beam welding process
   - It can accommodate very large workpieces
   - Vacuum is required in this process
   - Wide heat affected zone is formed
   - Limited depth of penetration can be achieved

No, the answer is incorrect.
Score: 0
Accepted Answers:
Vacuum is required in this process

6) In lapping, the mechanism for metal removal is
   - Cutting and adhesion
   - Erosion and corrosion
   - Adhesion and erosion
   - Cutting and erosion

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

7) During soldering, molten metal is distributed uniformly into the gaps between the faying surfaces of the part to be joined by
   - Evaporation
   - Capillary action
   - Curing
   - Inclusions

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

8) Brazing and soldering is generally preferred for joining of metal systems
   - 1 point

https://onlinecourses.nptel.ac.in/noc19_me44/unit?unit=68&assessment=110
9) The electrode metal of resistance welding should be  
- Electrically conductive
- Thermally stable
- Wear resistant
- All of the above

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

10) Direct current straight polarity is used when  
- Thin sheet is to be welded
- Thermal conductivity of the metal is low
- Electrode is connected to positive terminal
- More heat is needed at workpiece side

No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
More heat is needed at workpiece side