Assignment 1

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

1) In the continuous casting process, molten metal is transferred from the …………. to the mold. 1 point
   - Ladle, Tundish
   - Ladle, Boxer
   - Tundish, Ladle
   - Ladle, gate
   
   [Box]: 0
   [Accepted Answers]: Ladle, Tundish

2) Copper mold is used in Continuous casting machine due to its 1 point
   - High thermal conductivity
   - High enough
   - High density
   - None of the above
   
   [Box]: 0
   [Accepted Answers]: High thermal conductivity

3) The wearing of negative slots during oscillation motion of Continuous casting mold means 1 point
   - Mold moves downward faster than the solidifying skin for a percentage of the oscillating cycle.
   - Mold moves downward slower than the solidifying skin for a percentage of the oscillating cycle.
   - Both mold and solidifying skin move with equal velocity for a percentage of the oscillating cycle.
   - None of the above
   
   [Box]: 0
   [Accepted Answers]: Mold moves downward faster than the solidifying skin for a percentage of the oscillating cycle.

4) The main causes of inclusion formation and contamination of the melt include 1 point
   - Reoxidation of the melt by air
   - Overhead continuous casting slag
   - Establishment of tundish and ladle slag
   - All of the above
   
   [Box]: 0
   [Accepted Answers]: All of the above

5) In the vertical type of Continuous Casting machine, mold is …………. and discharge is …………. 1 point
   - Vertical, horizontal
   - Inverted and vertical
   - Vertical and horizontal
   - Horizontal and Horizontal
   
   [Box]: 0
   [Accepted Answers]: Vertical and Horizontal

6) Multi-sand box furnace has 1 point
   - Multiple inode and one outlet
   - Multiple inlets and multiple outlets
   - One inlet and multiple outlets
   - None of the above
   
   [Box]: 0
   [Accepted Answers]: Multi-sand box furnace

7) Function(s) of flux powder in mold is (are) 1 point
   - Reduce reaction between solid shell and mold
   - Minimize heat loss
   - Prevent metal oxidation
   - All of the above
   
   [Box]: 0
   [Accepted Answers]: All of the above

8) Secondary cooling in Continuous casting is carried out by 1 point
   - Water spray
   - Air spray
   - Both a & b
   - None of the above
   
   [Box]: 0
   [Accepted Answers]: Water spray

9) Flow modulation devices are 1 point
   - Dam
   - Gate
   - Buffer
   - All of the above
   
   [Box]: 0
   [Accepted Answers]: Flow modulation devices

10) Usually, the size of espionage inclusions is …………. to the indigenous ones 1 point
    - Smaller
    - Larger
    - Same as
    - None of the above
    
    [Box]: 0
    [Accepted Answers]: Smaller