### Assignment 11 - Week 10

The data for this assignment is subject to review.  
Due on 2020-04-06, 23:59 IST.

Other One or Two Solutions are Correct for Each Question.
When One Solution is Correct - one of the correct solutions will give full marks. 
When Two Solutions are Correct - both of the correct solutions will give full marks. 
If more than two Solutions are Correct - none of the solutions will get full marks.

1. Secondary cooling of cast steel is carried out with application of:
   - air
   - water
   - air + water
   Name of this
   
   Accepted Answers:
   - air
   - water
   - air + water

2. The following feature of secondary cooling gives optimum temperature:
   - Intensity
   - Uniformity
   - Uniformity
   Name of this
   
   Accepted Answers:
   - Intensity

3. Oversizing of strand may result in:
   - Bubbling
   - Creep
   - Central looseness
   Internal stress
   
   Accepted Answers:
   - Bubbling
   - Creep
   - Central looseness
   - Internal stress

4. Understanding of strand may result in:
   - Bubbling
   - Creep
   - Central looseness
   Internal stress
   
   Accepted Answers:
   - Bubbling
   - Creep
   - Central looseness

5. Optimum secondary cooling depends on:
   - Casting
   - Solidification characteristics
   - Type of steel
   
   Accepted Answers:
   - Casting
   - Solidification characteristics

6. The following is a typical internal defect in cast billet/blade:
   - Oxide inclusion
   - Delamination
   - Deflection

   Accepted Answers:
   - Oxide inclusion
   - Deflection

7. Soldering of solid shell creates an gap between shell wall and solid shell, ... and may result in the following:
   - No defect
   - High cooling rate
   - Slow cooling rate
   - Crevice corrosion
   
   Accepted Answers:
   - Crevice corrosion

8. Carbon steel with 0.05% C and AISI-400 stainless steel are prone to following defect:
   - Crevice grain
   - Oxide grain
   - Internal cracks
   - Bubbling
   - Surface depression
   
   Accepted Answers:
   - Crevice grain
   - Oxide grain

9. Carbon steel with 0.15% C and AISI-304 stainless steel are prone to following defect:
   - Crevice grain
   - Internal cracks
   - Bubbling
   - Surface depression
   
   Accepted Answers:
   - Crevice grain
   - Internal cracks

10. The following cast steel prone to normal segregation and normal looseness:
    - 0.05% C
    - 0.12% C
    - 0.15% C

    Accepted Answers:
    - 0.05% C
    - 0.12% C
    - 0.15% C