Assignment 07

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment. Due on 2019-03-20, 23:59 IST.

1) State the following statement as true or false. ‘The material in extrusion base technologies must be in semi-solid state when it comes out of the nozzle.’

- True
- False

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

2) What will be the velocity of the material flow along the channel for the following given conditions? D = 2 m, N = 60, Φ = 30 degrees

- 56.15 m/s
- 58.15 m/s
- 59.15 m/s
- 60.15 m/s

No, the answer is incorrect.
Score: 0
Accepted Answers: 58.15 m/s

3) What will be the velocity of material towards the nozzle for the above case?

- 300 m/s
- 372.47 m/s

No, the answer is incorrect.
Score: 0
Accepted Answers: 372.47 m/s
4) State the following statement as true or false.
   "Nozzle diameter is not generally kept constant for a particular build."
   
   - True
   - False

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

5) Which of the following methods can be used to create scaffolds?
   
   - Using hydrogels
   - Using concrete
   - Using wood
   - None of these

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

6) Which kind of laser is used to cut the sheets in LOM?
   
   - Ruby Laser
   - Carbon Dioxide Laser
   - He-Ne Laser
   - None of these

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

7) What is the general range of thickness of paper in LOM?
   
   - 0.01-0.05 mm
   - 0.07-0.2 mm
   - 0.2-0.4 mm
   - 0.4-0.9 mm

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   0.07-0.2 mm

8) What is the limitation for adhesive bonding?
   
   - These processes require external supports
   - Tooling or alignment is required
   - Both of these
   - None of these

   No, the answer is incorrect.
   Score: 0
9) Which of the following approaches involve slicing of model into thicker layers?  
   - Stranton approach
   - Stratoconception approach
   - Thermal approach
   - None of these
   
   **Accepted Answers:**
   - *Both of these*
   
   **Score:** 1 point

10) What is the most common defect in UC made parts?
   - Warpage
   - Cracks
   - Elongation
   - Voids

   **Accepted Answers:**
   - *Voids*

   **Score:** 0