Unit 4 - Week 3:
Polymer Rheological Abrasive Finishing Processes

Assignment 3

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

1) In abrasive flow finishing ________ medium is used to carry out finishing process.  
   - Elastic
   - Semi-solid
   - Viscous
   - All of above

   No, the answer is incorrect.
   Score: 0
   Accepted Answers: Semi-solid

2) In abrasive flow finishing process medium is ________ fluid.
   - Newtonic fluid
   - Non-newtonic fluid
   - Pseudo-elastic
   - None of the above

   No, the answer is incorrect.
   Score: 0
   Accepted Answers: Non-newtonic fluid

3) Abrasive flow finishing process can be used for developing ________.
   - Longitudinal stress
   - Compressive stress
   - Both a and b

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

Due on 2019-02-27, 23:59 IST.
4) The major difference between abrasive flow finishing and drill bit guided abrasive flow finishing process is in?

- Medium
- Workpiece
- Tooling
- Abrasive particles

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

5) In drill bit guided abrasive flow finishing process workpiece abrasive contact length is

- Straight line
- Curved line
- Both a and b
- None of the above

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

6) In CFAAFM fixture is made in _______ segments.

- Two
- Three
- One
- Four

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

7) Which among the following CFG rod provide maximum material removal?

- Triangular
- Spline
- Square
- Rectangular

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

8) In R-AFF ________ motion of abrasive and µ-chip take place.

- Straight
- Helical
- Oscillating
- None of the above

No, the answer is incorrect.
9) As extrusion pressure increases, Fa and Fr exerted by active abrasive particles on the workpiece surface undulations increase in R-AFF process.

- True
- False

No, the answer is incorrect.

Score: 0
Accepted Answers:
True

10) In DBG-AFF, abrasive intermixing depends only on medium self-deformability and does not depend on the pressure from the drill bit.

- True
- False

No, the answer is incorrect.

Score: 0
Accepted Answers:
False