Unit 5 - Week-4: Hybrid Polymer Rheological Abrasive Finishing Processes and Applications

Assignment 4
The due date for submitting this assignment has passed. As per our records you have not submitted this assignment. Due on 2019-02-27, 23:59 IST.

1) Electro-chemical abrasive flow finishing process is a combination of?
   - AFF only
   - AFF and MAFF
   - AFF and ECM
   - All of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
AFF and ECM

2) In ECAFIM process the surface roughness is observed at
   - High salt molar concentration
   - Low salt molar concentration
   - No salt molar concentration
   - None of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
High salt molar concentration

3) In ultrasonic abrasive flow finishing process the ultrasonic vibration is given to
   - Tooling
   - Medium
   - Low

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

4) The basic difference between AFF and Magneto-AFF process is in
   - Tooling
   - Medium composition
   - Workpiece
   - All of the above

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

5) Electromagnet ______ the polishing wheel exert a strong local Magnetic field gradient.
   - Above
   - Below
   - Along
   - None of the above

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

6) Which of the following process are suitable for finishing knee implants.
   - Abrasive flow finishing
   - Drag finishing
   - Both a and b
   - None of these

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Both a and b

7) The reduction ratio is also increases with the decreasing gap between electrodes, which result in more MR due to the development of more pressures in the working zone resulting in more abrasives _____ forces.
   - Shear
   - Cutting
   - Erosion
   - None of the above

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

8) The number of cycles that involves in the machining time, can be significantly reduced by application of electrochemical assistance.
   - True
   - False
9) In UAAFM as the processing time increases the surface roughness ______.

- Decreases
- Increases
- Become stationary
- None of the above

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

10) Which type of medium is suitable for finishing microslots?

- High viscous
- Low viscous
- Moderate viscous
- None of the above

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