Unit 7 - Week 5: Advanced Abrasive Machining Processes

Assignment 5

Due on 2020-03-04, 23.59 IST.

The due date for submitting this assignment has passed. At the current time you have not submitted this assignment.

1. For compressing water, ________ is used in AVM.
   a) Compressor
   b) Expansion
   c) Condenser
   d) Heat exchanger
   Accepted Answer: a)

2. Which type of carrier medium is used in abrasive jet machining?
   a) Oil
   b) Water
   c) Air
   d) Steam
   Accepted Answer: a)

3. Which of the following materials cannot be machined with EDM?
   a) Billet
   b) Stainless Steel
   c) Aluminum
   d) Graphite
   Accepted Answer: a)

4. In abrasive jet machining, the 'nose' 'nozzles'' ratio is the ratio of
   a) Volume flow rate of abrasive: Volume flow rate of carrier gas
   b) Mass flow rate of abrasive: Mass flow rate of carrier gas along with abrasive
   c) Mass flow rate of carrier gas: Volume flow rate of abrasive
   d) None of the above
   Accepted Answer: a)

5. What are the functions of nozzle in AVM?
   a) Maintaining the concentration of abrasives in water
   b) Mixing water and abrasive particles
   c) Forming high velocity water jet
   d) Bow and A
   Accepted Answer: a)

6. The difference between EDD and EDS is
   a) EDD abrasive particles are used in EDD instead of abrasive as in case of EDD
   b) Abrasive particles are suspended in deionized fluids in EDD which is not true in EDD
   c) Diamond abrasives are used in EDD but no abrasive is used in case of EDD
   d) EDD is without abrasive particles while EDD is used in EDD but with abrasive particles are used in EDD
   Accepted Answer: b)

7. Which element does not belong to EDM?
   a) Transfer arc
   b) Compressor
   c) Oil-resin generator
   d) Tool holder
   Accepted Answer: c)

8. Choose the INCORRECT statement about ANAM
   i) Life of nozzle made of copper is 400 hrs
   ii) Life of nozzle made of WC. 8%  650 hrs
   iii) Compressor is used
   iv) Nozzle is used
   v) Life of nozzle made of WC-Cu is 450 hrs
   Accepted Answer: iii)

9. The effect of using a current over electrical particles is known as________.
   a) Magnetic effect
   b) Plasma electric effect
   c) Accepting
   d) None of the above
   Accepted Answer: a)

10. The power is measured in ________.
    Accepted Answer: Watts