Assessment-0

Due date: 2020-01-27, 23:59 IST.

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

This assignment is only for practice purpose.

1. Which one of the following is a secondary manufacturing process? (1 point)
   - Casting
   - Machining
   - Forming
   - Shaping
   - Drilling
   - No, the answer is incorrect.
   
2. Which one of the following is NOT a function of a cutting tool? (1 point)
   - Reducing coefficient of friction at the chip-tool interface as well as at the tool-workpiece interface
   - Reducing the moment acting on the tool, thereby reducing the required power
   - Reducing the cutting force
   - Reducing the cutting temperature
   - Reducing the friction on the tool-workpiece interface
   - No, the answer is incorrect.

3. Givens are used for measuring:
   - Diameter
   - Speed
   - Area
   - None
   - Width
   - No, the answer is incorrect.

4. \( \log_{10}(6) = \) (1 point)
   - 1.2
   - 0.6
   - 0.7
   - No, the answer is incorrect.

5. \( \log_{10}(\log_{10}(x)) = \) (1 point)
   - 2
   - 0.7
   - 0.6
   - No, the answer is incorrect.

6. Which one of the following is an input parameter for a manufacturing operation? (1 point)
   - Cutting power
   - Cutting time
   - Cutting speed
   - Cutting force
   - Cutting temperature
   - No, the answer is incorrect.

7. The process of engaging a new tool that has already been made is called: (1 point)
   - Centering
   - Machining
   -中心ing
   - Sawing
   - No, the answer is incorrect.

8. In turning operation, with respect to the machine bed, (1 point)
   - Cutting tool rotates and workpiece translates
   - Cutting tool rotates and workpiece rotates as well as translates
   - Workpiece rotates as well as translates
   - Workpiece rotates and workpiece translates
   - Workpiece rotates and workpiece rotates as well as translates
   - No, the answer is incorrect.

9. Consider the heat generation during a conventional machining operation. The scale (1 point)
   - Deformation
   - Friction
   - Work hardening and friction
   - None
   - No, the answer is incorrect.

10. The ratio of surface area to volume of a sphere of unit radius is: (1 point)
   - 0.6
   - 1.0
   - 1.2
   - No, the answer is incorrect.

11. In case of turning operation, surface roughness of the workpiece decreases with (1 point)
   - Increase in feed only
   - Decrease in feed and decrease in nose radius
   - Increase in nose radius and decrease in feed
   - Increase in nose radius and increase in feed
   - Decrease in nose radius only
   - No, the answer is incorrect.

12. In case of cutting operation, surface roughness of the workpiece decreases with (1 point)
   - Increase in feed only
   - Decrease in feed and decrease in nose radius
   - Increase in nose radius and decrease in feed
   - Increase in nose radius and increase in feed
   - Decrease in nose radius only
   - No, the answer is incorrect.