Assignment 03

The task for this assignment has been submitted. As per our records, you have not submitted this assignment.

1. For turning of a round 60 mm diameter, rotating at 2000 rpm, the feed given was 0.1 mm/rev and the depth of cut taken was 1 mm. The material removal rate for this operation is

- 1 point

2. In a shaping operation, the cutting speed is to be known. Feed is 0.2 mm/rev and the depth of cut is 0.3 mm. If the specific energy for the process is 103 J/mm³, the power consumption of the process in Milliwatts is

- 1 point

3. Test the feed is affected by:

- 1 point

4. During machining of a steel, tool A and tool B gave HRR = 1.0 x 10^8 and 1.2 x 10^8 as tool life equations, where R and T are in minutes and inches respectively. The cutting speed in inches, which tool B will provide better results is

- 1 point

5. For better surface finish in grinding process, the grinding conditions should be chosen to reduce the value of:

- 1 point

6. When the work material is hard, the grains of a hard grinding wheel wear out easily and the sharpness of the cutting edges is quickly lost. This is known as:

- 1 point

7. For better surface finish in grinding, the type of grain of a grinding wheel should be:

- 1 point

8. If the space between the grains in a grinding wheel is small, then chips will not be able to come out of the space. This phenomenon is known as:

- 1 point

9. Average mass per grit during grinding can be increased by decreasing:

- 1 point