Assignment -04

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

1. For an external gate hopper feeder, to give the largest value of velocity, the gap between the cylinder and the sleeve should be_________ as small as possible
   ______ as large as possible
   ______ more than the width of the part
   ______ same as the diameter of the part
   ______ accepted answers as large as possible
   ______ accepted answers

2. The most significant factor affecting the efficiency of an external gate hopper feeder is
   ______ the hopper irradiation angle
   ______ feed to the hopper
   ______ position of the external gate
   ______ the gap between the cylinder and the sleeve
   ______ the hopper irradiation angle
   ______ accepted answers

3. For a vertical delivery feed track, the time in seconds of delivery of a part of 20 mm length would be
   ______ 0.001
   ______ 0.02
   ______ 0.50
   ______ 1.50
   ______ accepted answers

4. In a vibratory feed track with a vibration angle of 202 degrees and a maximum acceleration of 1.2, the conveying velocity has been fixed at 5 km/hr. The frequency of vibration is hence imparted to the feeder is
   ______ 20
   ______ 50
   ______ 80
   ______ 100
   ______ accepted answers

5. In a vibratory feed track with a vibration angle of 202 degrees and a maximum acceleration of 1.2, the conveying velocity has been fixed at 5 km/hr. The frequency of vibration is hence imparted to the feeder is
   ______ right side
   ______ left side
   ______ left or right side
   ______ hop
   ______ accepted answers

6. Location of the base part in the horizontal plane is often achieved using
   ______ wedges
   ______ lumber
   ______ locating rods
   ______ fixing pins
   ______ accepted answers

7. A free transfer assembly machine will always have more number of assemblies of the subject than an indexing machine due to
   ______ increased capacity
   ______ less machine breakdown
   ______ more number of workheads
   ______ continuous movement of parts
   ______ accepted answers

8. It is rarely economical to use indexing machines having a large number of automatic workheads because of
   ______ increased cost in larger number of machines
   ______ increased possibility of machine breakdown
   ______ total dwell time becoming more
   ______ parts traveling more distance
   ______ accepted answers

9. In an indexing assembly machine, the optimum quality of parts placed inside the assembly is dependent on the
   ______ indexing time of the table
   ______ dwell time of the indexing head
   ______ total cycle time
   ______ time taken to clear a defective part from a workhead
   ______ none of the above
   ______ accepted answers

10. For a typical workhead as in a free transfer machine producing 150 assemblies and parts having quality level of 0.80, a proportion of the defective part is present. Calculating machine stoppages are only, the number of stoppages in the machine will be
   ______ 3
   ______ 2
   ______ 1
   ______ 0
   ______ accepted answers

Due on 2019-06-25, 23:59 IST.