Assignment -02

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

1. Average production time is greater than the ideal cycle time in a flow line by |
   - average downtime per cycle
   - idle time
   - average cycle time
   - none. Average production time is the same as the ideal cycle time
   - No, the answer is incorrect. Score: 0
   - Accepted Answers: average downtime per cycle

2. Proportion of downtime and the line efficiency must add to |
   - zero
   - one
   - a negative value
   - No, the answer is incorrect. Score: 0
   - Accepted Answers: one

3. Line efficiency indicates |
   - the percentage of time the line is down
   - the capability of the line to produce defect-free units
   - the percentage of time the line is under exploitation
   - the percentage of time the line is up
   - No, the answer is incorrect. Score: 0
   - Accepted Answers: the percentage of time the line is up

4. In an automated assembly flow line, it takes 10 sec to complete an assembly. The line breakdown occurs twice in every 100 cycles and it takes 8 minutes to diagnose the problem and re-run the line. The proportion of downtime is |
   - 37.56%
   - 38.93%
   - 79.36%
   - 62.8%
   - No, the answer is incorrect. Score: 0
   - Accepted Answers: 37.56%

5. In an automated flow line, the ideal cycle time is 20 sec. It takes 10 minutes to diagnose the problem when a breakdown occurs and the line breakdown occurs once in every 100 cycles, Average production time in the line is |
   - 0.038 sec
   - 0.26 sec
   - 20.1 sec
   - 0.049 sec
   - No, the answer is incorrect. Score: 0
   - Accepted Answers: 26 sec

6. Select the correct statement |
   - production time is less than the throughout time
   - production time is more than the throughout time
   - production time is the same as the throughout time
   - production time is not related to throughout time
   - No, the answer is incorrect. Score: 0
   - Accepted Answers: production time is less than the throughout time

7. When a dial indexing assembly machine is driven by a Geneva mechanism, |
   - the value of the production rate is twice more than the value of the driver RPM of the Geneva mechanism
   - the value of the production rate is twice more than the value of the driver RPM of the Geneva mechanism
   - the value of the production rate is the same as the value of the drive RPM of the Geneva mechanism
   - No, the answer is incorrect. Score: 0
   - Accepted Answers: the value of the production rate is the same as the value of the drive RPM of the Geneva mechanism

8. Choice of an assembly method is based on |
   - cost of assembly
   - required production rate
   - market life of the product
   - all of the above
   - No, the answer is incorrect. Score: 0
   - Accepted Answers: all of the above

9. The amount of assembly required can be reduced by |
   - using modular design
   - combining functions
   - limiting the required direction of access
   - using modular design and combining functions
   - No, the answer is incorrect. Score: 0
   - Accepted Answers: combining functions

10. The power required to drive an indexing unit will be obtained from |
    - the torque applied to the unit during the machine index
    - the torque applied to the unit during the machine index
    - the torque applied to the unit by the process
    - torque produced at the unit
    - No, the answer is incorrect. Score: 0
    - Accepted Answers: the dynamic torque applied to the unit during the machine index