Assignment 12

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

1) In NC part programming, the coded instructions are in general refer to __________ which the machine tool can understand. 1 point
   - A. numeric distance
   - B. position
   - C. auxiliary function
   - D. all of these
   No, the answer is incorrect.
   Score: 0
   Answer: 0
   Accepted Answer:
   D. all of these

2) In NC machine systems, the interpolator is part of __________ 1 point
   - A. Main control unit
   - B. Data processing unit
   - C. Control loop unit
   - D. Machine maintenance unit
   No, the answer is incorrect.
   Score: 0
   Accepted Answer:
   B. Data processing unit

3) Which one of the following consists of a central computer to which a group of CNC machine tools are connected via a communication network? 1 point
   - A. Dual network controller
   - B. Direct numerical control
   - C. Differential system control
   - D. Dual-loop system
   No, the answer is incorrect.
   Score: 0
   Accepted Answer:
   B. Direct numerical control

4) In an axis CNC milling machine configuration, there axes can be controlled simultaneously and the tool spindle is parallel to the Z-axis. State true or false. 1 point
   - A. True
   - B. False
   No, the answer is incorrect.
   Score: 0
   Accepted Answer:
   B. False

5) The Digital Differential Analyzer (DDA) algorithm computes the increment in the axes movement by using __________ 1 point
   - A. Sine
   - B. Cosine
   - C. Normal
   - D. Integral
   No, the answer is incorrect.
   Score: 0
   Accepted Answer:
   A. Sine

6) In which one of the following coding systems, the meaning of each character is dependent on the meaning of the previous character? 1 point
   - A. Greberate
   - B. Mersenne
   - C. Multi-code
   - D. Mohr-code
   No, the answer is incorrect.
   Score: 0
   Accepted Answer:
   B. Mersenne

7) Which one of the following computer-aided process planning systems follows the principle of Group Technology (GT) and Parts Classification & Couting? 1 point
   - A. Generative
   - B. Version
   - C. Neural
   - D. Both internal and external
   No, the answer is incorrect.
   Score: 0
   Accepted Answer:
   B. Version

8) In a CNC program block, X002 G2 G0 X40.241; G22 and G90 refer to __________ 1 point
   - A. circular interpolation in a circular clockwise direction and incremental dimension
   - B. circular interpolation in a circular clockwise direction and absolute dimension
   - C. circular interpolation in a circular clockwise direction and incremental dimension
   - D. circular interpolation in a circular clockwise direction and absolute dimension
   No, the answer is incorrect.
   Score: 0
   Accepted Answer:
   B. circular interpolation in a circular clockwise direction and absolute dimension

9) In a CNC part program, clockwise interpolations with radius 20, specified from point P1 (30, 10) to point P2 (10, 30) will have its centre at __________ 1 point
   - A. (10, 10)
   - B. (10, 20)
   - C. (20, 10)
   - D. (30, 30)
   No, the answer is incorrect.
   Score: 0
   Accepted Answer:
   B. (10, 20)

10) Match the CORRECT pair. 1 point
    | CNC code | Meaning               |
    |----------|-----------------------|
    | P. G01   | 1. Input as multi-axis |
    | P. G00   | 2. Spindle on clockwise |
    | R. G13   | 3. Tool change         |
    | S. G07   | 4. Cancel cycle for drilling |
   No, the answer is incorrect.
   Score: 0
   Accepted Answer:
   P. G01, R. G00, S. G07
