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Courses » Design Practice - II

Announcements

Course

Ask a Question

Progress

Mentor

FAQ

Unit 7 - WEEK 06 Design Practice II

Course outline

How to access the portal

WEEK 01 Design practice II

WEEK 02 Design Practice II

WEEK 03 Design Practice II

WEEK 04 Design Practice II

WEEK 05 Design Practice II

WEEK 06 Design Practice II

- ☒ Computer Numerical Control
- ☒ Numerical control programming
- ☒ NC part programming
- ☐ Canned Cycle
- ☐ Quiz : Assignment 06_Design Practice 2

Assignment 06_Design Practice 2

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment. **Due on 2018-10-10, 23:59 IST.**

1) In a computer numerical control system, the _____ outputs the signals that direct the _____ around in a predetermined sequence of movements. **1 point**

- ☐ servomotor, cutter
- ☐ programmer, transducer
- ☐ controller, sensor
- ☐ computer, machine

No, the answer is incorrect.

Score: 0

Accepted Answers:

computer, machine

2) The numerical system that describes the location of an object by numerically expressing its distance from a fixed point along 3-axes is called: **1 point**

- ☐ Vector coordinate system
- ☐ Cartesian coordinate system
- ☐ Metric system
- ☐ Imperial system

No, the answer is incorrect.

Score: 0

Accepted Answers:

Cartesian coordinate system

3) A return signal that confirms the position of the tool or workpiece is called **1 point**

- ☐ RPM

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A project of



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notes_NC part
programming

- Lecture
- notes_NC
- coding
- examples

**WEEK 07 Design
Practice II**

**WEEK 08 Design
Practice II**

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Accepted Answers:

Feedback

4) What does HOME position mean for a CNC machine?

1 point

- ☐ The workplace
- ☐ The position where the limit switch for all the axis are activated simultaneously
- ☐ The origin
- ☐ None of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

The position where the limit switch for all the axis are activated simultaneously

5) In NC (Numerical Control) machine tool, the position feedback package is connected between

1 point

- ☐ control unit and programmer
- ☐ programmer and machine tool
- ☐ control unit and machine tool
- ☐ programmer and process planning

No, the answer is incorrect.

Score: 0

Accepted Answers:

control unit and machine tool

6) Servo motors are ____.

1 point

- ☐ activated by pulses of current
- ☐ connected to the lead and feed screws
- ☐ provide power to position the work
- ☐ All of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

All of these

7) The device, fed to the control unit of NC machine tool which sends the position command signals to sideway transmission elements of the machine, is called as

1 point

- ☐ Controller
- ☐ tape
- ☐ feedback unit
- ☐ none of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

tape

8) In CNC machine tool, the part program entered into the computer memory

1 point

- ☐ can be used only once

- ☐ can be used again and again
- ☐ can be used again but it has to be modified every time
- ☐ cannot say

No, the answer is incorrect.

Score: 0

Accepted Answers:

can be used again and again

9) In the CNC machine, the straight-cut system ____.

1 point

- ☐ is used for operations performed at a fixed location in terms of a two-axis coordinate position
- ☐ precisely controls machine and tool movement at all times and in all planes
- ☐ permits controlled tool travel along one axis at a time
- ☐ None of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

permits controlled tool travel along one axis at a time

10) In a CNC system, the Z axis is used to denote _____ and _____ motion of the machine.

1 point

- ☐ sideways, forward
- ☐ up, down
- ☐ right, left
- ☐ forward, backward

No, the answer is incorrect.

Score: 0

Accepted Answers:

up, down

Previous Page

End