Mock Test

CNC Programmer
Version- 4.0
Level- 5

CSC/N1335. Follow the Health and Safety Practices at the Work

Q1. What should be done before starting CNC machine operation safely? (4 Marks)

A. Check safety guards
B. Power machine immediately
C. Skip tool setup
D. Ignore warning signs

Q2. How can exposure to cutting fluids be minimized during CNC operations? (4 Marks)

A. Remove tool covers
B. Avoid coolant entirely
C. Operate machine fast
D. Wear protective gloves

Q3. What is the correct response if a CNC machine shows an error? (5 Marks)

A. Stop machine immediately
B. Continue running cautiously
C. Restart program repeatedly
D. Inform coworkers later

Q4. How can entanglement hazards near moving machine parts be prevented? (5 Marks)

A. Roll up sleeves
B. Secure loose clothing
C. Wear jewelry nearby
D. Stand close parts

Q5. What is the safe method for handling sharp CNC tools? (6 Marks)

A. Use tool holders
B. Carry tools freely
C. Place tools edge
D. Leave tools ground

Q6. Which step ensures operator safety during CNC machine maintenance? (6 Marks)

A. Wear casual clothes
B. Keep machine running

C. Disconnect power supply
D. Ignore warning signs

CSC/N1336. Coordinate with Coworkers to Achieve Work Efficiency

Q7. How should a CNC programmer share machine setup updates effectively? (4 Marks)

A. Use clear instructions
B. Ignore coworkers
C. Send vague notes
D. Wait for requests

Q8. What is the best approach to avoid delays during collaborative CNC projects? (4 Marks)

A. Delay communication
B. Work independently
C. Skip coordination
D. Plan task sequence

Q9. How can communication breakdowns among CNC team members be minimized? (5 Marks)

A. Conduct brief meetings
B. Avoid team discussions
C. Share info partially
D. Work silently

Q10. Which practice improves overall efficiency in a CNC programming team? (5 Marks)

A. Vary each workflow
B. Standardize procedures
C. Ignore feedback
D. Skip documentation

Q11. How should conflicting priorities between coworkers be handled for efficiency? (6 Marks)

A. Delay decision-making
B. Ignore conflicts
C. Follow personal agenda
D. Discuss and resolve

Q12. What method ensures smooth handover of CNC programming tasks? (6 Marks)

A. Update progress logs
B. Assume others know
C. Skip reporting
D. Leave notes incomplete

CSC/N0401. Program Advanced Digital Manufacturing Computer Numerically Controlled (CNC) Machines

Q13. Which strategy best reduces cycle time in multi-axis CNC milling operations? (4 Marks)

A. Use rigid tool
B. Optimize tool path
C. Skip finishing pass
D. Increase spindle speed

Q14. How can a CNC programmer minimize thermal distortion during high-speed machining? (4 Marks)

A. Max spindle speed
B. Adaptive feed rates
C. Ignore workpiece clamping
D. Disable coolant flow

Q15. What is the primary purpose of macro programming in advanced CNC operations? (5 Marks)

A. Increase manual intervention
B. Automate repetitive sequences
C. Reduce machine power
D. Eliminate tooling need

Q16. In 5-axis simultaneous machining, which factor is critical for collision avoidance? (5 Marks)

A. Random tool orientation
B. Accurate machine kinematics
C. Skip setup verification
D. Ignore tool offset

Q17. Which method ensures precise surface finish in high-speed CNC turning? (6 Marks)

A. Use dull tools
B. Optimize feed depth
C. Increase coolant temperature
D. Remove finishing pass

Q18. Why is simulation software essential before running complex CNC programs? (6 Marks)

A. Detect collisions early
B. Skip tool offsets
C. Reduce spindle power
D. Eliminate clamps need

CSC/N0415. Assist in Process Improvements and Machine Maintenance

Q19. How can a CNC programmer help reduce machine downtime? (4 Marks)

A. Skip calibration checks
B. Schedule preventive maintenance
C. Ignore minor issues
D. Increase production speed

Q20. Which approach improves machining efficiency without affecting quality? (4 Marks)

A. Increase idle time
B. Remove tool inspections
C. Reduce coolant flow
D. Optimize cutting parameters

Q21. How can vibration in CNC machines be minimized during operations? (5 Marks)

A. Ignore base stability
B. Check spindle alignment
C. Tighten machine bolts randomly
D. Skip lubrication routine

Q22. What is the key benefit of documenting machine maintenance records? (5 Marks)

A. Track performance trends
B. Avoid scheduling tasks
C. Ignore error history
D. Discard previous faults

Q23. How can tool wear be proactively managed to enhance process reliability? (6 Marks)

A. Skip tool calibration
B. Use dull tools
C. Monitor cutting hours
D. Ignore wear signs

Q24. Which method helps identify bottlenecks in CNC production processes? (6 Marks)

A. Analyze process data
B. Ignore cycle times
C. Skip workflow review
D. Delay machine upgrades

DGT/VSQ/N0102. Employability Skills (60 Hours)

Q25. Which skill helps a CNC programmer communicate machine issues effectively to the team? (2 Marks)

A. Ignore reports
B. Clear technical communication
C. Work silently
D. Avoid discussions

Q26. How can a CNC programmer demonstrate responsibility in meeting project deadlines efficiently? (2 Marks)

A. Delay work
B. Work carelessly
C. Plan tasks properly
D. Skip documentation

Q27. Which attitude reflects a CNC programmer's ability to adapt to new software updates? (3 Marks)

A. Embrace continuous learning
B. Work habitually
C. Avoid training
D. Resist changes

Q28. How can problem-solving skills improve CNC programming efficiency and reduce machine downtime? (3 Marks)

A. Rush programming
B. Ignore errors
C. Work randomly
D. Analyze root causes

Q29. Which quality is essential for CNC programmers to work collaboratively with engineers and operators? (5 Marks)

A. Ignore suggestions
B. Teamwork cooperation
C. Work independently
D. Avoid feedback

Q30. How should a CNC programmer maintain professionalism when under high-pressure project situations? (5 Marks)

A. Panic frequently
B. Rush work
C. Stay calm focused
D. Ignore guidelines