Mock Test

CNC Turning Operator
Version- 4.0
Level- 4

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

Q1. Why must a CNC turning operator check machine guards and enclosures before starting work? (4 Marks)

A. Improve spindle speed
B. Reduce coolant flow
C. Ensure full safety protection
D. Increase tool wear

Q2. Why is it important to remove loose clothing and accessories before operating CNC machines? (4 Marks)

A. Increase tool life
B. Prevent accidental entanglement
C. Reduce program errors
D. Improve cutting accuracy

Q3. What should an operator do if abnormal noise or vibration occurs during CNC turning operations? (4 Marks)

A. Add more coolant
B. Increase feed rate
C. Stop machine and inspect
D. Ignore and continue

Q4. Why is maintaining a clean and dry floor essential near CNC turning machines? (5 Marks)

A. Improve spindle alignment
B. Reduce cycle time
C. Increase cutting depth
D. Prevent slips and accidents

Q5. Why must emergency stop buttons remain clearly visible and easily reachable at all times? (5 Marks)

A. Improve surface finish
B. Reduce coolant consumption
C. Allow quick machine shutdown
D. Increase machining accuracy

Q6. What is the safest method to remove chips from CNC turning machines after machining? (8 Marks)

A. Pick chips by hand
B. Push away with tools
C. Blow with mouth
D. Use brush or hook

CSC/N1336. Coordinate with Coworkers to Achieve Work Efficiency

Q7. Why is clear communication with coworkers important for completing CNC turning tasks efficiently? (4 Marks)

A. Reduce coolant use
B. Improve tool hardness
C. Avoid confusion and delays
D. Increase spindle speed

Q8. How does sharing daily machining targets with coworkers improve overall shop productivity? (4 Marks)

A. Ensures aligned work planning
B. Speeds up coolants
C. Increases chip formation
D. Reduces tool vibrations

Q9. Why should CNC operators exchange technical information about tooling and materials with coworkers? (4 Marks)

A. Increase heat generation
B. Improve machining accuracy
C. Minimize coolant splashing
D. Reduce cycle times

Q10. How can coordinating machine usage schedules with coworkers reduce downtime in a CNC workshop? (5 Marks)

A. Reduce cutting depth
B. Improve tool vibration
C. Prevent idle machines
D. Increase wear rate

Q11. Why is teamwork important when handling large or heavy raw material for CNC turning jobs? (5 Marks)

A. Ensure safe material loading
B. Improve chip thickness
C. Increase spindle rotation
D. Reduce coolant evaporation

Q12. How does reporting potential machining issues early to coworkers support workflow efficiency? (8 Marks)

A. Increases burr formation
B. Helps solve problems quickly
C. Improves heat dissipation
D. Reduces tool wear

CSC/N0120. Set Up the CNC Turning Machine for Operations

Q13. Why must the operator verify the correct workholding device before setting up CNC turning? (4 Marks)

A. Reduce coolant flow
B. Improve surface hardness
C. Ensure stable workpiece holding
D. Increase spindle noise

Q14. Why is it important to check tool offsets before starting CNC turning machine setup? (4 Marks)

A. Improve electrical safety
B. Ensure correct tool positioning
C. Increase lubricant pressure
D. Reduce chip formation

Q15. What is the purpose of confirming program parameters during CNC turning machine setup? (4 Marks)

A. Increase cycle time
B. Reduce spindle torque
C. Improve cutting vibration
D. Prevent machining errors

Q16. Why should the operator test spindle rotation direction before running a CNC program? (5 Marks)

A. Avoid tool or work damage
B. Increase coolant evaporation
C. Reduce setup documentation
D. Improve tool life

Q17. Why must the operator zero the machine axes properly during CNC turning setup? (5 Marks)

A. Increase burr formation
B. Reduce coolant consumption
C. Establish accurate reference point
D. Improve chip removal

Q18. What is the benefit of running a dry-run check before beginning actual CNC turning operation? (8 Marks)

A. Increase material hardness
B. Improve surface finish
C. Reduce spindle temperature
D. Detect any possible collisions

CSC/N0115. Carry Out Turning Operations Using the Advanced CNC Machine with Real Time Monitoring System

Q19. Why should operators monitor real-time feed rate changes during advanced CNC turning operations? (4 Marks)

A. Improve table lubrication
B. Maintain stable cutting performance
C. Reduce tool offset errors
D. Increase coolant splashing

Q20. How does real-time tracking of spindle temperature help during continuous CNC turning cycles? (4 Marks)

A. Improve coolant tank level
B. Reduce program editing time
C. Increase chip adhesion
D. Prevent overheating damage

Q21. Why is monitoring tool vibration trends essential for high-precision turning on advanced CNC machines? (4 Marks)

A. Improve chuck lubrication
B. Maintain surface quality
C. Reduce coolant evaporation
D. Increase spindle backlash

Q22. How does real-time monitoring assist in maintaining consistent cutting forces during CNC turning work? (5 Marks)

A. Avoid sudden tool breakages
B. Reduce workpiece hardness
C. Increase tool radius
D. Improve coolant filtering

Q23. Why must operators observe real-time axis load variations during heavy turning operations? (5 Marks)

A. Improve door sensor accuracy
B. Detect excessive cutting pressure
C. Reduce turning time
D. Increase spindle backlash

Q24. How does real-time productivity data help operators optimize turning parameters during long machining runs? (8 Marks)

A. Reduce tool flute count
B. Improve coolant pipe angle
C. Increase workpiece painting quality
D. Identify inefficiency immediately

DGT/VSQ/N0101. Employability Skills (30 Hours)

Q25. Why is punctuality important for a CNC turning operator in a busy manufacturing workshop? (2 Marks)

A. Speeds up coolant flow
B. Builds professional reputation
C. Reduces tool wear
D. Improves surface finish

Q26. How does effective communication with team members improve CNC turning operations efficiency? (2 Marks)

A. Reduces spindle speed
B. Improves machine vibration
C. Prevents errors and delays
D. Increases coolant evaporation

Q27. Why is adaptability essential for CNC turning operators when using different machines or tools? (2 Marks)

A. Allows quick adjustment
B. Improves feed rate
C. Reduces coolant consumption
D. Increases burr formation

Q28. How can problem-solving skills benefit CNC turning operators during machine malfunctions? (4 Marks)

A. Reduces spindle speed
B. Helps resolve issues quickly
C. Improves surface hardness
D. Increases cycle time

Q29. Why is teamwork important for completing CNC turning jobs in a production workshop? (4 Marks)

A. Shares workload efficiently
B. Minimizes tool wear
C. Reduces cutting depth
D. Improves table lubrication

Q30. How does maintaining a positive attitude affect overall performance in CNC turning operations? (6 Marks)

A. Reduces coolant use
B. Improves tool alignment
C. Motivates coworkers
D. Increases spindle torque