Mock Test

CNC Operator - Vertical Machining
Version- 4.0
Level- 4

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

Q1. Why must operators wear hearing protection when operating CNC vertical machining centres? (4 Marks)

A. Increase coolant flow
B. Protect hearing damage
C. Reduce spindle vibration
D. Improve surface finish

Q2. How should coolant spills be handled near a CNC VMC machine to ensure workplace safety? (4 Marks)

A. Leave for next shift
B. Ignore hazard
C. Sweep later
D. Wipe up immediately

Q3. Why is it important to secure all loose objects before starting CNC machining operations? (4 Marks)

A. Minimize tool wear
B. Prevent accidental entanglement
C. Improve cycle time
D. Reduce spindle load

Q4. How often should operators inspect emergency stop buttons on a CNC VMC machine? (5 Marks)

A. Daily before operation
B. Weekly inspection
C. After tool change
D. Monthly routine check

Q5. Why must operators avoid leaning over a CNC VMC machine while it is running? (5 Marks)

A. Reduce vibration noise
B. Improve cutting speed
C. Prevent severe injuries
D. Increase spindle torque

Q6. How should operators respond to unusual sparks or smoke during CNC vertical machining? (8 Marks)

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

CSC/N1336. Coordinate with Coworkers to Achieve Work Efficiency

Q7. How does sharing daily machine status updates with coworkers improve overall work efficiency? (4 Marks)

A. Delays production
B. Confuses operators
C. Reduces downtime
D. Increases material cost

Q8. Why is discussing job priorities with coworkers important for CNC vertical machining workflow? (4 Marks)

A. Reduces safety
B. Increases errors
C. Wastes time
D. Avoids confusion

Q9. How does asking for coworker assistance during complex CNC tasks improve team productivity? (4 Marks)

A. Creates conflict
B. Increases fatigue
C. Saves time
D. Damages equipment

Q10. Why should operators communicate tool changes promptly with team members on CNC machines? (5 Marks)

A. Confuses supervisor
B. Prevents errors
C. Increases scrap
D. Slows production

Q11. How does jointly reviewing machining programs with coworkers improve work efficiency in production? (5 Marks)

A. Ensures accuracy
B. Delays maintenance
C. Confuses trainees
D. Increases breakdowns

Q12. Why is coordinating machine setup with coworkers crucial for minimizing idle time in CNC operations? (8 Marks)

A. Causes delays
B. Reduces idle time
C. Increases rework
D. Raises cost

CSC/N0123. Set the CNC VMC for Operations

Q13. Why is it important to correctly set the spindle speed on a CNC VMC before machining? (4 Marks)

A. Delays production
B. Wastes material
C. Damages coolant
D. Ensures proper cutting

Q14. How does aligning the workpiece accurately on CNC VMC affect machining quality and efficiency? (4 Marks)

A. Prevents errors
B. Confuses operator
C. Wastes coolant
D. Increases vibration

Q15. Why must tool offsets be programmed correctly before starting CNC VMC operations? (4 Marks)

A. Creates noise
B. Ensures precise cuts
C. Increases idle time
D. Reduces team coordination

Q16. How does setting the correct feed rate on a CNC VMC influence machining results? (5 Marks)

A. Increases scrap
B. Confuses supervisor
C. Slows communication
D. Prevents tool wear

Q17. Why should machine zero points be verified before executing CNC VMC machining programs? (5 Marks)

A. Delays tool change
B. Reduces coolant flow
C. Avoids misalignment
D. Increases idle time

Q18. How does checking coolant and lubrication levels before CNC VMC operation improve productivity? (8 Marks)

A. Confuses team
B. Prevents overheating

C. Slows spindle speed
D. Wastes material

CSC/N0116. Carry Out Machining Using the Advanced Digital CNC VMC

Q19. Which step is essential before starting CNC VMC to ensure correct machine setup? (4 Marks)

A. Start spindle randomly
B. Skip tool selection
C. Verify workpiece alignment
D. Ignore coolant level

Q20. How should the workpiece be secured before starting CNC VMC machining operation? (4 Marks)

A. Place loosely
B. Tighten clamps properly
C. Avoid fixtures
D. Use tape only

Q21. Why must the correct tool offset be entered in CNC VMC before machining begins? (4 Marks)

A. Reduce spindle speed
B. Skip tool check
C. Increase feed randomly
D. Ensure accurate cuts

Q22. What is the purpose of setting spindle speed and feed rate in CNC VMC operations? (5 Marks)

A. Achieve precise cutting
B. Random tool movement
C. Cool the machine
D. Avoid clamps usage

Q23. Which safety step should be performed before starting CNC VMC operations? (5 Marks)

A. Start without checks
B. Skip guards
C. Check emergency stop
D. Ignore power supply

Q24. How does verifying tool and workpiece position improve CNC VMC operation efficiency? (8 Marks)

A. Random spindle motion
B. Prevent collisions
C. Damage clamps
D. Slow down process

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

Q25. How does effective communication improve teamwork in a CNC VMC workshop environment? (2 Marks)

A. Work separately
B. Ignore coworkers
C. Avoid machine checks
D. Share clear instructions

Q26. Why is punctuality important for a CNC Operator in production operations? (2 Marks)

A. Work slowly
B. Meet scheduled deadlines
C. Skip safety checks
D. Delay setup

Q27. How does adaptability enhance CNC Operator performance in changing job requirements? (2 Marks)

A. Avoid training
B. Repeat old methods
C. Handle unexpected changes
D. Refuse new tasks

Q28. Which skill helps CNC Operators maintain professional relationships with colleagues? (4 Marks)

A. Work independently
B. Demonstrate respect
C. Argue frequently
D. Ignore feedback

Q29. How does continuous learning contribute to employability of CNC VMC Operators? (4 Marks)

A. Avoid instructions
B. Skip upgrades
C. Improve technical skills
D. Reduce machine use

Q30. Why is teamwork crucial for achieving efficiency in CNC VMC production processes? (6 Marks)

A. Delay communication
B. Coordinate tasks well
C. Work individually
D. Avoid responsibilities