

# Mock Test

## CNC Milling

### Version- 1.0

### Level- 4.5

#### CSC/N0460. Work Organization and Management (Milling)

Q1. Why is arranging cutting tools systematically essential for maintaining consistent CNC milling workflow? (2 Marks)

- A. Improves coolant odor
- B. Reduces tool search time
- C. Enhances floor shine
- D. Increases machine paint life

Q2. How does proper job scheduling help maintain overall CNC milling productivity during heavy workloads? (2 Marks)

- A. Reduces operator attendance
- B. Increases tool rust formation
- C. Slows documentation updates
- D. Minimizes idle machine time

Q3. Why must milling operators verify raw material availability before starting programmed machining operations? (5 Marks)

- A. Enhances fixture color
- B. Reduces coolant smoke
- C. Prevents production stoppage
- D. Increases spindle vibration

Q4. How does organizing measuring instruments improve accuracy and efficiency in precision CNC milling tasks? (5 Marks)

- A. Ensures correct gauge selection
- B. Reduces workspace lighting
- C. Enhances table paint layer
- D. Increases chip size

Q5. Why is maintaining updated work instructions important for consistent CNC milling job execution quality? (6 Marks)

- A. Increases coolant heat
- B. Ensures standard procedure use
- C. Improves machine noise
- D. Reduces belt replacement

**CSC/N0441. Interpret Engineering Drawings and Follow the Specification**

Q6. Why must a CNC milling operator confirm tolerance values shown on engineering drawings before machining begins? (2 Marks)

- A. Improves coolant fragrance
- B. Reduces table wear marks
- C. Ensures correct dimensional accuracy
- D. Increases chip disposal load

Q7. How does understanding datum references on engineering drawings support precise CNC milling measurements during operations? (2 Marks)

- A. Reduces spindle heating
- B. Enhances tool coating shine
- C. Increases coolant foaming
- D. Provides reliable measurement origins

Q8. Why is verifying surface finish symbols important when interpreting specifications for critical CNC milled components? (3 Marks)

- A. Reduces tool handle weight
- B. Ensures correct finishing process
- C. Increases workpiece oxidation
- D. Improves fixture paint quality

Q9. How does reading sectional views help CNC milling operators correctly identify internal features before machining? (3 Marks)

- A. Reveals hidden internal geometry
- B. Reduces chip conveyor noise
- C. Increases part packaging size
- D. Enhances coolant tank color

**CSC/N0442. Process Planning**

Q10. Why is selecting the correct machining sequence essential for efficient CNC milling process planning? (2 Marks)

- A. Enhances fixture paint shine
- B. Reduces operator handwriting
- C. Reduces unnecessary tool changes
- D. Increases coolant evaporation

Q11. How does choosing appropriate cutting parameters support reliable CNC milling operations during process planning? (2 Marks)

- A. Improves toolbox appearance
- B. Ensures stable machining performance
- C. Reduces spindle label fading
- D. Increases chip color brightness

Q12. Why must operators determine the best fixturing method during CNC milling process planning? (3 Marks)

- A. Enhances tool drawer alignment
- B. Increases coolant tank vibration
- C. Prevents workpiece movement during cutting
- D. Reduces lighting reflection

Q13. How does identifying required tools early in planning improve overall CNC milling job execution? (3 Marks)

- A. Minimizes delays due to tool shortages
- B. Increases chip bin decoration
- C. Enhances table surface gloss
- D. Reduces operator shift rotation

#### **CSC/N0443. Programming**

Q14. Why should a CNC milling programmer confirm tool length offsets before running any new machining program? (2 Marks)

- A. Reduces table paint fading
- B. Increases chip bin capacity
- C. Improves coolant tank smell
- D. Ensures accurate cutting depth

Q15. How does validating subprogram calls help maintain reliable execution of multi-step CNC milling operations? (2 Marks)

- A. Prevents unexpected program jumps
- B. Increases cabinet shine
- C. Enhances tool holder appearance
- D. Reduces coolant pipe noise

Q16. Why is it important to verify work offset values after modifying an existing CNC milling program? (3 Marks)

- A. Enhances machine surface gloss
- B. Maintains correct part positioning
- C. Reduces chip tray odor
- D. Increases fixture color tone

Q17. How does checking spindle rotation direction ensure safe execution of specific toolpaths in milling programs? (3 Marks)

- A. Improves table edge brightness
- B. Increases toolbox decoration
- C. Reduces coolant splash color
- D. Prevents wrong cutting action

#### **CSC/N0444. Metrology**

Q18. Why must programmers verify cutter compensation settings when preparing precision CNC milling toolpaths for production? (2 Marks)

- A. Improves chip tray shine
- B. Reduces coolant tank smell
- C. Ensures correct tool engagement
- D. Increases vise paint brightness

Q19. How does checking modal commands help maintain consistent behavior throughout multi-operation CNC milling programs? (2 Marks)

- A. Avoids unintended command carryover
- B. Increases coolant nozzle gloss
- C. Reduces chip bin vibration
- D. Enhances guard panel color

Q20. Why is defining proper retract height essential when writing safe and collision-free CNC milling programs? (3 Marks)

- A. Reduces table surface dust
- B. Prevents tool contact with clamps
- C. Enhances control panel color
- D. Increases toolbox aesthetics

Q21. How does reviewing arc interpolation data ensure accurate contour machining in complex CNC milling profiles? (3 Marks)

- A. Improves workbench appearance
- B. Reduces coolant overflow noise
- C. Increases chip container shine
- D. Confirms correct arc radius values

#### **CSC/N0445. Operating**

Q22. Why must CNC milling operators verify coolant flow rate before starting continuous high-speed machining operations? (2 Marks)

- A. Increases table surface gloss
- B. Prevents overheating of cutting tools
- C. Enhances fixture color tone
- D. Reduces chip bin shine

Q23. How does checking machine zero return help ensure stable CNC milling operations during shift start? (2 Marks)

- A. Reduces coolant smell levels
- B. Increases tool rack brightness
- C. Confirms reference positions correctly
- D. Improves cabinet paint finish

Q24. Why should operators monitor spindle load continuously while machining harder materials on CNC milling machines? (3 Marks)

- A. Enhances control panel shine
- B. Reduces table dust collection
- C. Increases machine label clarity
- D. Detects excessive cutting resistance early

Q25. How does inspecting tool holders before installation support safe CNC milling operations during long production cycles? (3 Marks)

- A. Increases workspace decoration
- B. Ensures secure tool clamping
- C. Reduces coolant tank vibration
- D. Improves chip conveyor color

### **CSC/N0446. Machining**

Q26. Why should CNC milling operators inspect coolant nozzles before starting high-speed precision machining operations? (4.5 Marks)

- A. Ensures proper cooling and chip removal
- B. Enhances fixture aesthetics
- C. Increases table paint gloss
- D. Reduces tool drawer odor

Q27. How does adjusting spindle speed according to material hardness improve CNC milling performance and tool life? (4.5 Marks)

- A. Reduces cabinet vibration
- B. Improves chip bin color
- C. Enhances workspace shine
- D. Prevents overheating and excessive wear

Q28. Why must operators check alignment of milling cutters before machining complex 3D surfaces on CNC machines? (6.5 Marks)

- A. Increases machine sticker longevity
- B. Ensures dimensional and profile accuracy
- C. Improves control panel glow
- D. Reduces coolant tank noise

Q29. How does proper lubrication of machine slides affect precision and surface finish in CNC milling operations? (6.5 Marks)

- A. Reduces fixture vibration
- B. Enhances table edge aesthetics
- C. Increases chip bin brightness
- D. Reduces friction and ensures smooth motion

Q30. Why is performing trial cuts on scrap material recommended before actual CNC milling production runs? (8 Marks)

- A. Improves chip container appearance
- B. Enhances coolant tank color
- C. Validates program and cutting parameters
- D. Reduces cabinet dust