Mock Test

CNC Turning

Version- 1.0

Level- 4.5

CSC/N0455. Work Organization and Management (Turning)

Q1. How does proper planning of turning tasks improve efficiency in CNC workshop operations? (4 Marks)

A. Wastes raw material
B. Reduces machine downtime
C. Increases operator stress
D. Confuses production schedule

Q2. Why is documenting job progress essential for CNC turning work organization? (4 Marks)

A. Hides operator errors
B. Delays tool replacement
C. Reduces teamwork
D. Tracks completion accuracy

Q3. How does scheduling maintenance in CNC turning prevent unexpected production stoppages? (5 Marks)

A. Avoids sudden breakdowns
B. Confuses operator
C. Slows machining speed
D. Increases scrap rate

Q4. Why is allocating work based on operator skill level important in turning operations? (7 Marks)

A. Reduces machine lifespan
B. Causes frequent errors
C. Optimizes productivity
D. Wastes coolant

CSC/N0456. Interpret Engineering Drawings (Turning)

Q5. Why is understanding symbols and tolerances in turning drawings critical for CNC operations? (2 Marks)

A. Confuses operator
B. Ensures accurate machining

C. Slows programming
D. Increases tool wear

Q6. How does correctly interpreting hole and thread specifications prevent errors in CNC turning? (2 Marks)

A. Reduces coolant efficiency
B. Wastes machine time
C. Maintains component precision
D. Hinders production schedule

Q7. Why must a CNC operator read material and surface finish notes carefully on engineering drawings? (2.5 Marks)

A. Causes frequent tool change
B. Achieves required quality
C. Delays maintenance
D. Confuses operator

Q8. How does identifying reference points in turning drawings help CNC programming and setup? (3.5 Marks)

A. Slows machine speed
B. Wastes raw material
C. Improves part alignment
D. Increases scrap rate

CSC/N0457. Process Planning (Turning)

Q9. How does analyzing part geometry help in determining the most efficient CNC turning strategy? (2 Marks)

A. Wastes operator effort
B. Slows machining process
C. Reduces material quality
D. Optimizes tool selection

Q10. Why is defining cutting parameters during process planning crucial for CNC turning accuracy? (2 Marks)

A. Ensures precise dimensions
B. Wastes coolant
C. Confuses maintenance staff
D. Increases setup time

Q11. How does process planning for turning consider workholding and fixture selection effectively? (2.5 Marks)

A. Delays CNC programming
B. Improves part stability

C. Reduces production speed
D. Causes tool damage

Q12. Why must process planning prioritize sequence of operations to avoid tool interference in CNC turning? (3.5 Marks)

A. Slows operator learning
B. Increases scrap
C. Wastes machine life
D. Prevents collisions

CSC/N0458. Programming (Turning)

Q13. Why is verifying CNC turning program before machining critical for avoiding errors and scrap? (7 Marks)

A. Wastes machine time
B. Prevents part defects
C. Confuses operator
D. Increases coolant usage

Q14. How does using correct G-codes and M-codes in turning programming ensure accurate machining operations? (7 Marks)

A. Reduces part quality
B. Wastes raw material
C. Controls machine precisely
D. Slows tool changes

Q15. Why must CNC operators simulate turning programs before actual machining on the lathe? (7 Marks)

A. Wastes cutting tools
B. Detects programming errors
C. Increases operator fatigue
D. Delays maintenance schedule

Q16. How does structuring turning programs logically improve efficiency and reduce machining cycle time? (9 Marks)

A. Optimizes operation sequence
B. Confuses workholding setup
C. Causes tool collisions
D. Increases scrap rate

Q17. Why is documenting program changes important during CNC turning operations for future reference? (10 Marks)

A. Reduces team coordination
B. Slows production planning

C. Aids troubleshooting
D. Confuses material handling

CSC/N0461. Performing Metrology and Inspection on the Workpiece

Q18. Why is measuring dimensions after turning essential to ensure workpiece meets engineering specifications? (4 Marks)

A. Slows operator efficiency
B. Confirms accuracy
C. Increases tool wear
D. Wastes machine time

Q19. How does using calibrated instruments improve reliability during inspection of CNC turned parts? (4 Marks)

A. Wastes raw material
B. Reduces production speed
C. Confuses programming
D. Ensures precise measurement

Q20. Why must surface finish and geometric tolerances be checked on CNC turned workpieces? (5 Marks)

A. Delays tool replacement
B. Maintains quality standards
C. Increases coolant usage
D. Confuses operator

Q21. How does documenting inspection results help in improving CNC turning process and quality control? (7 Marks)

A. Reduces operator focus
B. Causes tool damage
C. Tracks consistency
D. Slows machine operation

CSC/N0452. Setting and Operating CNC Lathes

Q22. Why is checking tool alignment before starting a CNC lathe operation critical for accuracy? (5 Marks)

A. Prevents machining errors
B. Confuses programming
C. Slows operator workflow
D. Wastes machine coolant

Q23. How does correctly mounting workpiece on CNC lathe improve safety and machining precision? (5 Marks)

A. Delays production schedule
B. Increases scrap rate
C. Confuses tool selection
D. Ensures stable clamping

Q24. Why must spindle speed and feed rates be verified before CNC lathe operation begins? (5 Marks)

A. Confuses operator
B. Optimizes cutting efficiency
C. Reduces tool life
D. Wastes raw material

Q25. How does setting proper coolant flow on CNC lathes prevent overheating and tool damage? (7 Marks)

A. Maintains tool temperature
B. Confuses workpiece setup
C. Wastes machine time
D. Slows program execution

Q26. Why is performing a dry run on CNC lathe recommended before actual turning operations? (8 Marks)

A. Increases scrap
B. Confuses setup sequence
C. Wastes operator effort
D. Detects program errors

CSC/N0453. Finalize and Deliver Work Pieces

Q27. Why is inspecting CNC turned workpieces before delivery essential to meet client specifications? (4 Marks)

A. Increases machine downtime
B. Confuses operator
C. Ensures quality compliance
D. Wastes coolant

Q28. How does proper cleaning and deburring of workpieces improve finished product presentation? (4 Marks)

A. Slows spindle speed
B. Enhances appearance
C. Reduces cutting efficiency
D. Increases scrap rate

Q29. Why is correctly packaging CNC turned parts important before sending to client or next process? (5 Marks)

A. Prevents damage during transport
B. Wastes raw material
C. Confuses production planning
D. Delays inspection

Q30. How does maintaining accurate documentation of completed workpieces help CNC turning operations? (7 Marks)

A. Reduces spindle life
B. Tracks production history
C. Increases tool wear
D. Confuses coolant flow