



CNC OPERATOR TURNING SET SCENE: CNC/MS/2022: VERSION: 3.0 (2022) LEVEL: 4

Sl#	NCI Name	NCI Details	PC used	English Question	English Anzi Choice	English Anzi Choice	English Anzi Choice	English Anzi Choice	Correct Answer	Marking
1	1. CSC/N133:	Follow the health and safety practices at the work	PC2. check the work conditions, assess the potential health and safety risks, and take appropriate measures to mitigate them	How can a CNC Operator - Turning mitigate health risks at work?	By conducting regular safety inspections	By avoiding safety protocols	By ignoring machine maintenance	By disregarding work conditions	1	5
2			PC9. identify existing and potential hazards at work	What is a potential hazard in a CNC turning workshop?	Properly labelled emergency exits	Well-maintained tools and equipment	Clear and organized workspaces	Loose or damaged electrical wiring	4	5
3			PC10. check the first aid box to ensure it is updated with the relevant first aid supplies	Identify the following object 	Safety equipment storage	First Aid Box	Tool Kit	Chocolate Box	2	5
4	2. CSC/N136:	Coordinate with co-workers to achieve work efficiency	PC8. coordinate with the co-workers to achieve the work objectives efficiently	What is a potential benefit of effective coordination among colleagues?	Increased workplace conflicts	Decreased job satisfaction	Improved productivity	Reduced safety measures	3	7
5			PC12. follow the organisational policy for the efficient and timely dissemination of information to the authorised personnel	How can a CNC Operator - Turning ensure efficient and timely information dissemination?	By following established protocols	By ignoring company guidelines	By avoiding communication channels	By disregarding organisational policies	1	5
6			PC15. empathise with Persons with Disabilities (PwD)	How can a CNC Operator - Turning demonstrate empathy towards Persons with Disabilities (PwD)?	Exclude them from discussions	Provide necessary accommodations	Ignore their needs	Avoid communication	2	5
7	3. CSC/MS20:	Set up the CNC turning machine for operations	PC2. determine the job specifications by referring to job instruction sheet/job card, component drawing, work drawing, planning documentation, quality control documents, operation sheets, component drawings, approved sketches/instructions, process drawing, etc.	You've assigned a new job to turn aluminium shafts. How do you determine the required dimensions and tolerance?	Use the dimensions listed on the raw aluminium stock material itself.	Ask a more experienced colleague for the specifications they used on similar jobs	Rely on your experience with similar parts and begin machining	Refer to the job instruction sheet or job card for the specific dimensions and tolerance	4	10
8			PC12. check the measuring equipment to ensure they are calibrated and approved for use	You're about to measure a machined shaft diameter. What should you do before using the calipers?	Since they're precision tools, calibration isn't necessary for every job	Borrow calipers from a colleague; calibration should be their responsibility	Calipers should be checked for calibration using gauge blocks or a reference standard	Clean the calipers with a rag and ensure the jaws close smoothly	3	7
9			PC3. check the allowable grinding margin on OD and ID	You notice the grinding allowance specified on the drawing for a shaft is very small. What potential consequence could this have?	The grinding process will be faster due to less material removal	There's a higher risk of exceeding the dimensional tolerance if too much material is removed during turning	The smaller allowance increases machining accuracy during the turning operation	The surface finish achieved during turning will be more important since less grinding is needed	2	7
10	4. CSC/MS15:	Carry out turning operations using the CNC machine	PC3. check the process sheet and match it with the received drawings and other specifications	The process sheet lists a specific tool number for roughing and a different one for finishing. What should you confirm regarding the tools?	The tool types and inserts match the specified operations (roughing vs. finishing)	The tool offset values in the CNC program are already programmed correctly for each tool	You can use the same tool for both roughing and finishing to save time.	The tool types and inserts match the specified operations (roughing vs. finishing)	4	7
11			PC9. check the post-machining sheet to determine if the component meets the applicable quality standards from previous machining operations	After machining a component, you need to check the post-machining sheet to ensure the component meets the required quality standards from previous operations. What is the purpose of checking the post-machining sheet?	To ensure the machine is functioning correctly	To determine the cost of machining the component	To verify if the component meets quality standards	To skip the inspection process	3	10
12			PC8. carry out a range of turning operations to ensure the machined components have the required features, faces, undercuts, profiles, holes, chamfers and threads, etc.	A hole needs to be drilled through the centre of an aluminium block. How will you achieve this on a CNC lathe?	Modify the program to use a special combined tool with both facing and drilling capabilities.	Select a drill bit with the desired diameter and program the CNC lathe for drilling operations.	Use a facing tool to create a small indentation first, then switch to a drill bit	You cannot drill holes on a lathe; a milling machine is needed.	2	10
13	DGT/MS/MS02:	Employability Skills (50 Hours)	PC4. follow environmentally sustainable practices	What are some examples of environmentally sustainable practices for a CNC Operator - Turning? Which social media platform is best?	Conserving water and energy	Promoting deforestation	Disposing of waste improperly	Not segregating the wastes	1	5
14			PC1. use e-mail and social media platforms and virtual collaboration tools to work effectively		Instagram	Telegram	WhatsApp	Facebook	2	7
15			PC2. use basic features of word processor, spreadsheets, and presentations	What is a common function of a spreadsheet program?	Organizing data in tables	Sending emails	Creating presentations	Video editing	1	5
Nos Total										100