

QUESTION AND ANSWER

CAD designer	DNC	geometric model
assemblies	Numerical Control	Internal Micro Processor
physical	Solid Modeling (SW)	

Question A: Select the suitable answer for all the statements.

1. _____ can be defined as an operation of machine tools by the means of specifically coded instructions to the machine control system in which the machine operated automatically.
2. _____ is not a part of the control unit.
3. CNC system uses an _____ that contains memory registers storing a variety of routines that are capable of manipulating logical functions.
4. A _____ describes the shape of _____ or mathematical object by means of geometric concepts.
5. _____ is a natural extension from the use of essentially 1D entities (curves) or 2D entities (surface) to the modeling of shape using 3D solids.
6. _____ must expert to create curve, surface and solid in order to create complex solid models.
7. Computerized environment is a designer's info can be explain comprehensively and clearly by CAM systems be able to describe the parts, _____, raw material & manufacturing requirements

Questions B: State the statement which is true or false.

1. Drafting is about - planar cross sectioning, production of shaded images, creation of exploded views for technical illustration.

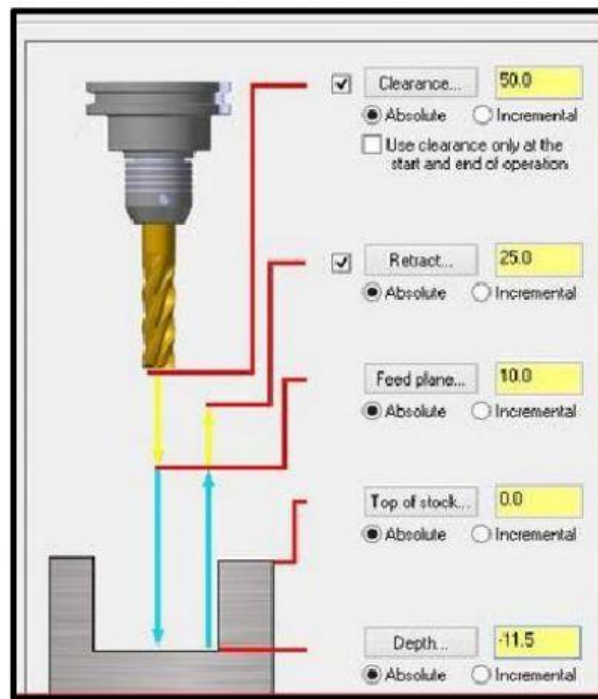
2. Solid or volume model is a figure on the left shown of a wire frame model.

3. 2-dimensional drafting is ability to provide all the information required for manufacturing applications.

4. Projection is represented by a coordinate system, consisted of world coordinate system (WCS) and user coordinate system (UCS).



Questions C: Based on the figure below, categorize the descriptions with the correct answers.



Descriptions	Linking parameters
○ Set the heights of the material in the Z-axis	<i>Top of stock</i>
○ Determines the final machining depth that the tool descends into the stock	
○ Set the height that the tool moves up to before changing to the plunge rate to enter the part	
○ Set the height at which the tool moves to and from the part	
○ Sets the height that the tool moves up to before the next tool pass	