CADCAM
Mastercam

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

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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).

   _____

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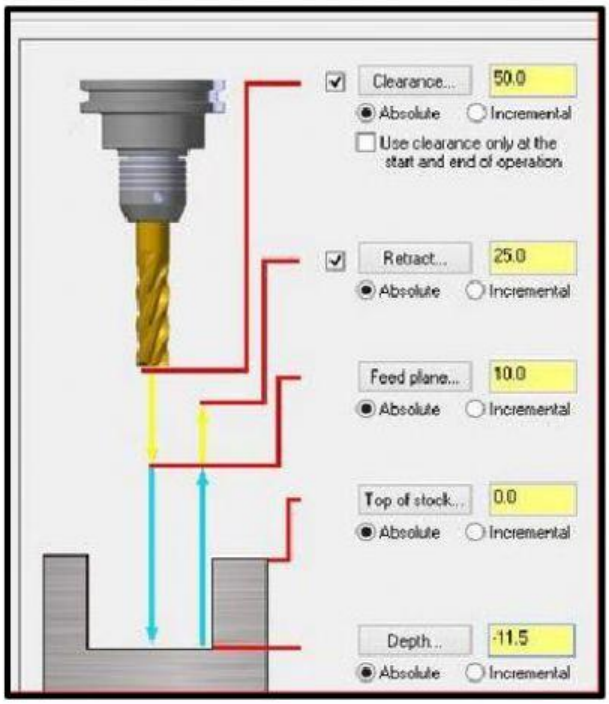
Questions C: Based on the figure below, categorize the descriptions with the correct answers.



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