



# CATIA Certified Professional exams

*Sample Questions*





## Objective of the Document

This document is meant to give you an idea of what the CATIA exams look like.



## Typical screen:

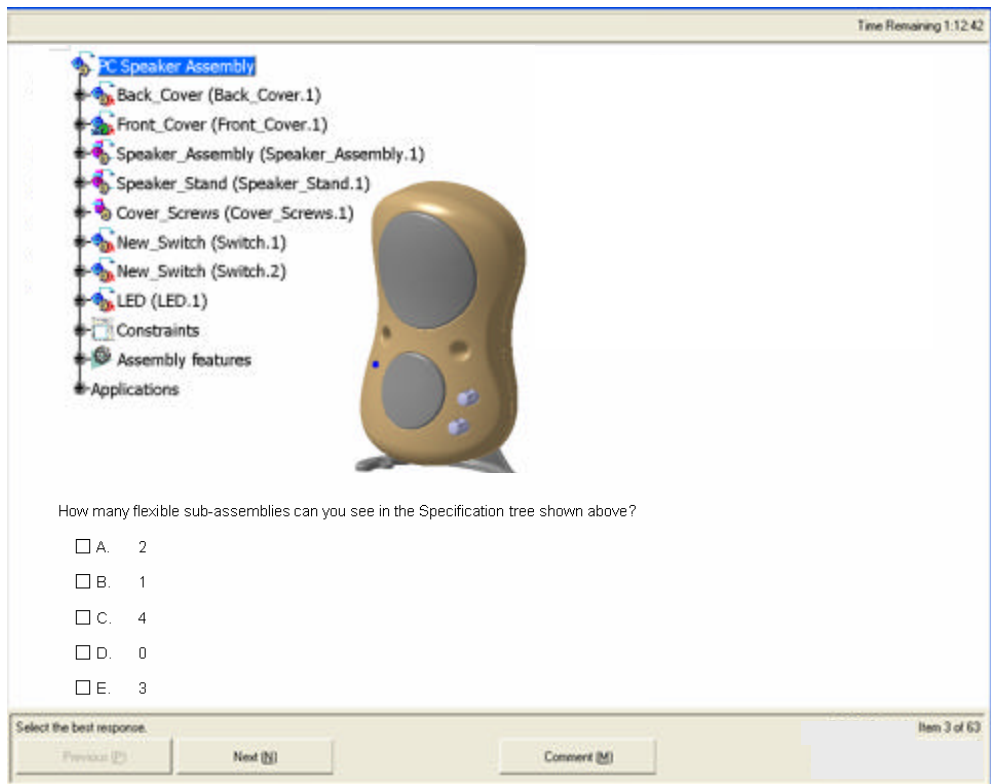
In the upper right corner: a counter shows the Time Remaining

In the bottom area:

Next button: to go to the next question (the Previous button is not active),

Comment button: opens a small window where you can enter your comment for the question presented;

Item: Order number of the question presented out of the total number of questions in the exam.



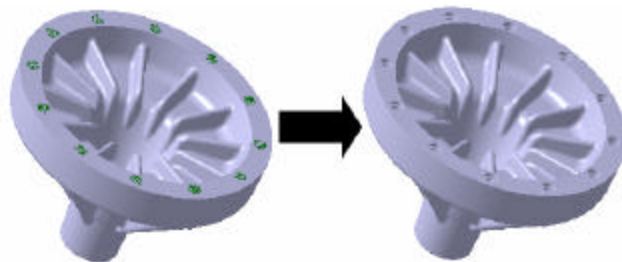
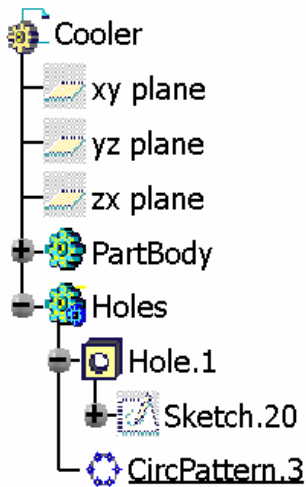
The screenshot displays a software interface for a CATIA exam. At the top right, a status bar indicates "Time Remaining 1:12:42". The main area is divided into two sections. On the left is a "Specification tree" for a "Speaker Assembly". The tree lists the following components: Back\_Cover (Back\_Cover.1), Front\_Cover (Front\_Cover.1), Speaker\_Assembly (Speaker\_Assembly.1), Speaker\_Stand (Speaker\_Stand.1), Cover\_Screws (Cover\_Screws.1), New\_Switch (Switch.1), New\_Switch (Switch.2), LED (LED.1), Constraints, Assembly features, and Applications. On the right is a 3D rendering of a gold-colored speaker device with two circular drivers and a stand. Below the 3D model, a question is posed: "How many flexible sub-assemblies can you see in the Specification tree shown above?". Five multiple-choice options are provided: A. 2, B. 1, C. 4, D. 0, and E. 3. At the bottom of the interface, there is a control bar with the text "Select the best response." on the left, "Item 3 of 63" on the right, and three buttons: "Previous (P)", "Next (N)", and "Comment (M)".

## Questions:

All questions are multiple choices with single answer. They may include images. The variety of questions presented below gives an idea of the question types you will find in the exams. Expert exams may include more context based and problem solving questions than the Specialist ones.



1. Which Boolean Operation between the **PartBody** and the body named **Holes** should be performed to drill the holes in the PartBody as shown in the example below?



- A. Intersect...
- B. Add...
- C. Assemble...
- D. Union Trim...
- E. Remove...



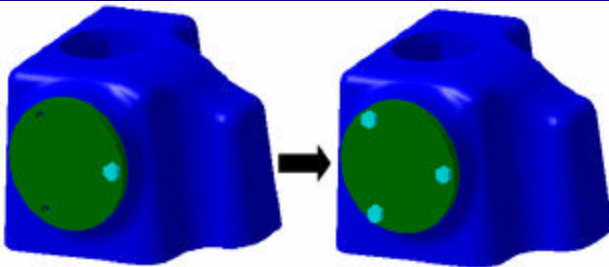
2. Which one of the following statements can be applied to the Multi-section Surface function?

- A. Create a surface by sweeping a curve along another one
- B. Create a surface passing through two or more sections
- C. Fill a hole on a surface by selecting the edges of the hole
- D. Make a connecting surface between two other surfaces
- E. Join several surfaces together to get a single element

3. What is this tool  used for?

- A. To calculate and display mean dimensions
- B. To fix or lock all the part dimensions
- C. To display all the numerical tolerances
- E. To define numerical tolerances on dimensions
- F. To remove all the numerical constraints

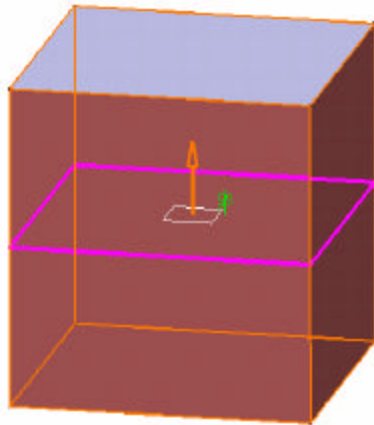
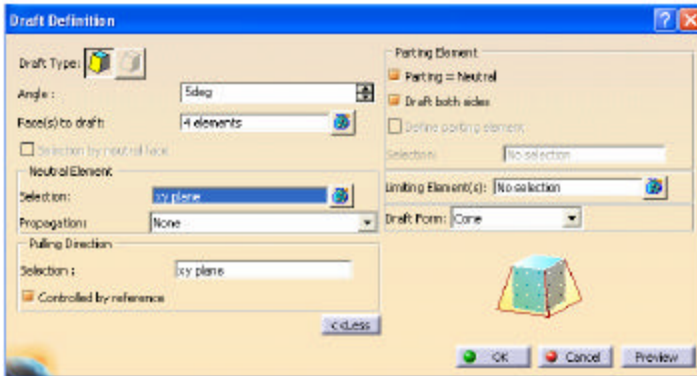
4. Which of the following propositions is the best way to duplicate a screw in order to get them constrained and placed as shown below?



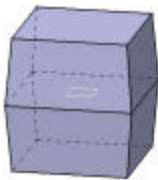
- A. Create a surface by sweeping a curve along another one
- B. Copy the first screw, then paste it with link twice, then add constraints
- C. Duplicate the screw using Fast Multi Instantiation then add constraints
- D. Duplicate the screw using Reuse Pattern
- E. Get two other screws from the catalog then add constraints



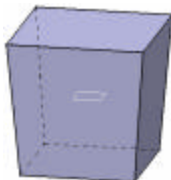
5. What would be the result of a draft angle using the parameters and part as shown below?



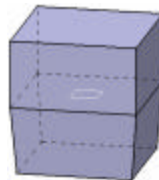
A.



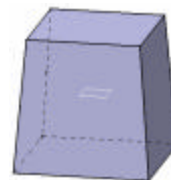
B.



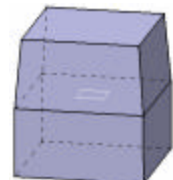
C.



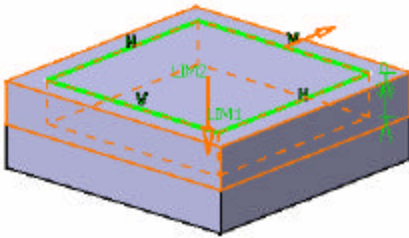
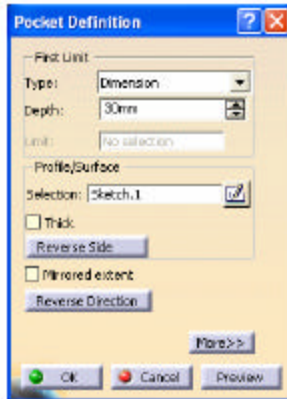
D.


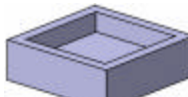
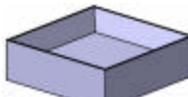
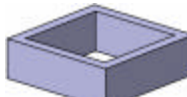



E.



6. Using the sketch profile below, which tool is activated to propagate the offset as shown?

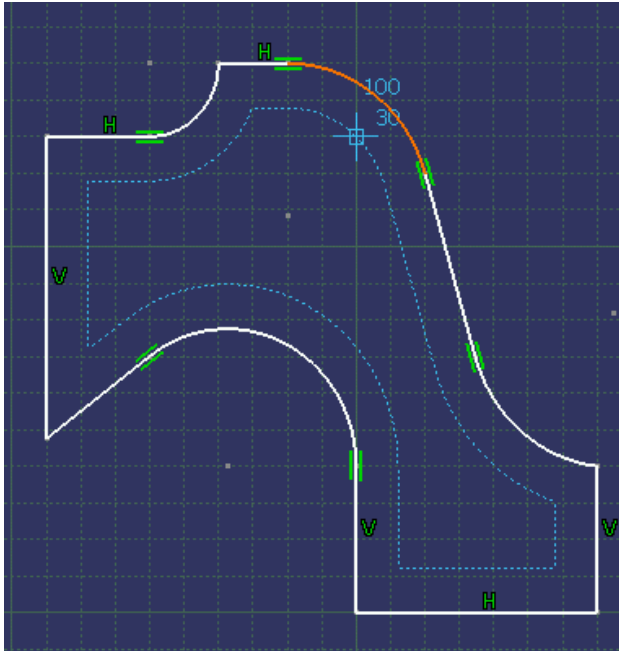







- A. 
- B. 
- C. 
- D. 
- E. 





7. Using the sketch profile below, which tool is activated to propagate the offset as shown?



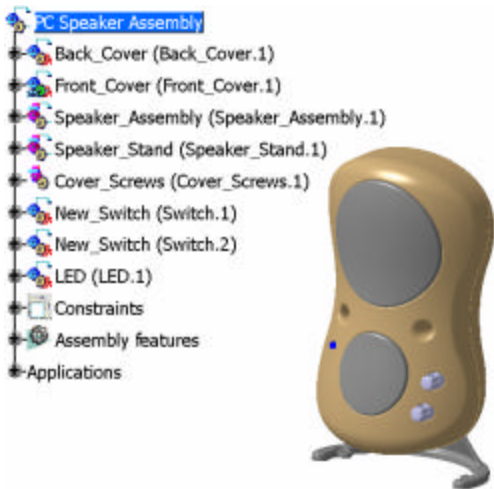
- A. 
- B. 
- C. 
- D. 
- E. 



8. *When constraining a profile element, what does the default purple color mean?*

- A. The profile element is projected from 3D
- B. The profile element needs to be updated
- C. The profile element is published for sharing
- D. The profile element is currently being selected
- E. The profile element is over constrained

9. *How many flexible sub-assemblies can you see in the Specification tree shown below?*



- A. 2
- B. 1
- C. 4
- D. 0
- E. 3



10. Which of the following results is correct if a **Blend** is created with the conditions below?

