

1.

In order for a computer language to be effective, it should...

- ☐ Represent the user's tasks.
- ☐ Satisfy the human needs for communication.
- ☐ Be easy to record, manipulate and display the language on a computer.
- ☒ All of the above

2.

What is the primary difference between a command language and a menu-selection system?

- ☐ Command-language users view or hear the limited set of item and respond.
- ☒ Command-language users must recall notation and initiate the action.

❖ **The first choice is true of menu-selection systems, not command languages.**

3.

Command languages are more effective if you provide an exorbitant number of objects and actions, so that the user will be more likely to communicate with commands that seem natural to them.

- ☐ True
- ☒ False

4.

Using a metaphor as a part of an interface can aid learning, problem solving and retention. The designer should choose a metaphor closer to the...

- ☐ Computer domain.
- ☒ User's task domain.

5.

Selection menus provide meaningful structure. This property is also beneficial for command languages.



True



False

6.

Unix is a successful operating system because its command language uses obvious naming strategies for its various commands.



True



False

7.

Is natural language interaction a good strategy to use for input?



Yes



No

8.

Suppose a doctor has an electronic medical device in his office that is able to analyze the blood pressure level of his patients automatically. Which of the following techniques would provide the most useful report for his patient?



A printout containing simply the number of the patient's current level of blood pressure.



A report created by natural-language text generation.



A colorful graphic of a blood pressure gauge, which the level of the current blood pressure highlighted in red.

9.

Suppose you have access to a system that sells tickets for various entertainment events, such as Broadway plays and basketball games. Also suppose this system supports natural language queries. If the user types in 'Pittsburgh', what should happen?



Determine that the query containing Pittsburgh referred to a city location, because Pittsburgh is an instance in that database.



Perform keyword extraction and search the entire database for fields matching Pittsburgh.



Prompt the user to clarify if Pittsburgh, Pennsylvania or Pittsburg, California was the proper target of the search.

10.

Which group of users receives from the greatest benefit from macro facilities?



Novice users.



Intermediate users.



Expert users.

11.

Well-designed command languages that have a meaningful structure are usually the most effective. Select all of the answer choices below that have proved to be advantageous for creating an eloquent structure.



Incongruent pairs.



Positional consistency.



Cyclic network form.



Grammatical consistency.



Hierarchical form.