



Inference algorithm is complete only if

Inference algorithm is complete only if _____

It can derive any sentence that is an entailed version & It is truth preserving

It can derive any sentence

It can derive any sentence that is an entailed version

It is truth preserving

Show Answer...

Correct Answer: D. It can derive any sentence that is an entailed version & It is truth preserving

Completing Inference: Understanding the Conditions

Inference algorithm is complete only if

Completeness in an inference algorithm requires specific conditions to be met. Let's explore the options to understand what makes an inference algorithm complete.

Answer:

D. It can derive any sentence that is an entailed version & It is truth preserving

Understanding Completeness in Inference:

Completeness in inference refers to the ability of an algorithm to derive specific types of sentences. The conditions for completeness are outlined as follows:

Options:

A. It can derive any sentence:

This is not sufficient for completeness. The algorithm must have a specific focus on entailed versions.

B. It can derive any sentence that is an entailed version:

This is closer to completeness, but it requires an additional condition.

C. It is truth preserving:

Truth preservation is crucial but alone does not ensure completeness.

D. It can derive any sentence that is an entailed version & It is truth preserving:

This is the correct answer. Completeness requires the ability to derive any sentence that is an entailed version while ensuring truth preservation.

Conclusion:

Understanding the conditions for completeness in an inference algorithm is essential for its effectiveness. The correct answer encompasses both the derivation of entailed versions and truth preservation.

[Computer Science MCQs by CSSMCQs](#)



Find All Important MCQs of Computer Science here.

Computer Science MCQs by CSSMCQs

Computer MCQs:

In this section, you will find Computer Fundamental MCQs, Computer MCQs, MS Office, MS Excel, MS Word, MCQ on Internet, MCQ Quiz KPPSc MCQs, [MCQ of Computer Science](#), NTS GAT, Computer has become a most demandable thing in any work. Almost all departments have computer need. And it every important to know the basic knowledge of computer. If you want to get a job or admission related to the computer, you must prepare online for computer science MCQ'S questions and answers.

Most of the test conductors like FPSC, NTS, KPPSC, PPSC and others, are adding computer knowledge MCQs in their test patron. Having a good command on the computer is very necessary. Here are some MCQs related to the Computer from basic to advance will help our readers to secure high marks in the computer portion of the test.

Furthermore, if you want to contribute you can also [Submit English MCQs](#). If you are willing to [take Online Quiz](#), Click [HERE](#).



[Click Here for Online MCQs Quiz Now](#)

[Click Here to Submit MCQs](#)

[Log In](#)

[Register](#) [if you don't have an Account.](#)

[\[☐ Compulsory MCQs \]](#) [\[☐ Optional MCQs \]](#) [\[☐ CSS Syllabus 2022 \]](#) [\[☐ Past Paper MCQs \]](#)

[Home](#)