QUESTION=module, COUNT=4, CATEGORY=

Falsity and Falsifiability are independent properties of a statement or a theory. A claim can be true or false, and it can be falsifiable or non-falsifiable, leading to four possible combinations. Give an example of each type with a brief justification.

QUESTION=paper, MARKS=5.00

True and Falsifiable (given an example with a brief justification. justification must not be longer than four lines.)

QUESTION=paper, MARKS=5.00

False and Falsifiable (given an example with a brief justification. justification must not be longer than four lines.)

QUESTION=paper, MARKS=5.00

True and Non-Falsifiable (given an example with a brief justification. justification must not be longer than four lines.)

QUESTION=paper, MARKS=5.00

False and Non-Falsifiable (given an example with a brief justification. justification must not be longer than four lines.)

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QUESTION=paper, MARKS=10.00

[Prosecution Lawyer]: "If we assume that Bindu was the murder then all the evidence would be accounted for. Is it not true that she had blood-stains on her clothes."

Suppose you are the defense lawyer for Bindu. And her clothes were indeed blood-stained. Having recently an AA in the Critical Thinking course, how would you respond?

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QUESTION=paper, MARKS=10.00

In late 1600's, substances that burned in air were said to be rich in a component called phlogiston which was supposed to be released during combustion. The fact that combustion soon ceased in an enclosed space was taken as clear-cut evidence that air had the capacity to absorb only a finite amount of phlogiston. The weights of the ashes left after burning were less than that of the original substance indicating that phlogiston had mass.

Later it was found that some metal gained weight during combustion. The phlogiston supporters reacted by saying that phlogiston can have negative mass in some substances.

What is your reaction to this story ?

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QUESTION=paper, MARKS=10.00

Can the consequence of a invalid argument be non-falsifiable? Reason out your answer with the help of an example.

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