

Critical thinking in academic research, credit-test, MA1, 10.06.2011

Circle the best answer

1. *Major premise: Whatever comes from the devil is bad*
Minor premise: Computers come from the devil
Conclusion: Therefore computers are bad.

In this syllogism:

- (a) the inference is logically correct,
- (b) the inference is logically incorrect,
- (c) there is no inference,
- (d) one premise is missing,
- (e) two premises are missing.

2. *Dendritis* has to do with:

- (a) throat pain,
- (b) a disease,
- (c) love of trees,
- (d) tonsils,
- (e) inflammation.

3. Scientific hypotheses must be:

- (a) ready-made,
- (b) abolished,
- (c) testable,
- (d) criticised,
- (e) questions.

4. "The author explained this *per genus...*" is guilty of:

- (a) a typo in "per genus",
- (b) confusing explanation with definition,
- (c) *ignotum per ignotum*,
- (d) confusing explanation with justification,
- (e) another methodological sin.

5. ... can be paradoxical:

- (a) defining,
- (b) explaining,
- (c) observing,
- (d) inferring,
- (e) highlighting.

6. Informed consent is required in:

- (a) defining,
- (b) predicting,
- (c) experimenting,
- (d) statistics,
- (e) psychological reality.

7. Experiments should in principle be:

- (a) confirmatory of the hypothesis,
- (b) interesting,
- (c) impossible,
- (d) on human subjects,
- (e) repeatable.

Best answers: 1a, 2e, 3c, 4b, 5c, 6c, 7e.