

## Critical thinking in academic research, credit-test, MA1, 06.06.2013

### Circle the best answer

1. "Prima facie" means:
    - (a) best hypothesis,
    - (b) at first sight,
    - (c) full of promise (=seminal),
    - (d) not (statistically) significant,
    - (e) fallacy in defining.
  
  2. The choice of MA topic is heavily:
    - (a) nomothetic,
    - (b) axiological,
    - (c) etymological,
    - (d) enumerative,
    - (e) tangential.
  
  3. In this note there's confusion between:
    - (a) defining and explaining,
    - (b) defining and describing,
    - (c) qualitative and quantitative,
    - (d) experiment and observation,
    - (e) facts and data.
- Tajemnica lewitacji rozwiązana. Brytyjscy naukowcy obserwujący bramina lewitującego w warunkach laboratoryjnych ustalili, że lewitacja tak naprawdę nie jest niczym więcej niż niewytłumaczalnym zjawiskiem unoszenia się nad ziemią.
4. The worst method to reduce the observer's paradox is to:
    - (a) create a highly emotional situation,
    - (b) record surreptitiously,
    - (c) habituate the subjects,
    - (d) 'merge' with the subjects,
    - (e) tell subjects to behave normally.
  
  5. According to questionnaire research, more than 2/3 EFL students in Poland want more phonetics classes. This could be:
    - (a) an observer's paradox,
    - (b) due to procrastination,
    - (c) a heuristic strategy,
    - (d) a Hawthorne effect,
    - (e) an inference error.
  
  6. Scientific data are extracted from ... data:
    - (a) algorithmic,
    - (b) sensory,
    - (c) heuristic,
    - (d) explanatory,
    - (e) descriptive.
  
  7. In a proper Cartesian diagram,
    - (a) the two axes must be perpendicular,
    - (b) there must be a legend,
    - (c) colours should be used,
    - (d) the axes must be calibrated,
    - (e) background must be white.

**Best answers: 1b, 2b, 3a, 4e, 5d, 6b, 7b/d**