Example multiple choices for research methodology exams

The right answer is in italic.

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|  | Which one of the following is NOT necessary for a classical experiment?1. definitions of the dependent and the independent variables
2. pre and post tests of all participants
3. experimental and control groups
4. *All the above mentioned are necessary.*
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|  | Which one of the following is NOT grey literature?1. a Master’s Thesis
2. *a predatory journal*
3. PhD dissertation
4. a company document
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|  | According to measurement, a household’s yearly net income is…1. directly observable
2. *indirectly observable*
3. construct
4. indirect construct
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|  | The measurement level of the ‘year of birth’ (like 1965, 1992 etc.) is …1. nominal
2. ordinal
3. *interval*
4. ratio
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|  | Which one of the following is NOT an attribute of a good research topic?1. Achievable within the available time.
2. The researcher is fascinated about it.
3. *It interesting for the researchers of other scientific areas, too.*
4. It matches the researcher’s carrier goals.
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|  | Which principle do we use if we accept that explanation of a phenomenon that needs less assumptions?1. The maximum likelihood principle
2. Karl Popper’s principle of falsification
3. Principle of confirmation
4. *Occam’s razor*
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|  | It offers appropriate hypotheses built on observations and/or previous studies.1. *Abductive reasoning*
2. Deductive reasoning.
3. Inductive reasoning.
4. Intuitive reasoning.
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|  | If a journal has a high ISI impact factor, that means…1. the journal is highly ranked by national and/or international scientific organisations.
2. *many citations (in average) happened on the articles in the journal in the last two years.*
3. the quality management system of the journal is strong.
4. the authors who published in the journal are highly respected.
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