

# SSY145 Wireless Networks

## Quiz A1 Answer Key

Date: March 26, 2020

The solutions are marked in **boldface**.

1. Which of the following statement is(are) correct about sections of an academic paper according to George M. Whitesides?

- (a) The abstract should be done at the beginning of writing a paper.

Motivation: False. The abstract can be done when the paper is complete.

- (b) The Conclusion section of an academic paper should be written as a list of short phrases or sentences.

Motivation: False. This refers to the Conclusion section in an outline, not an academic paper.

- (c) **The results and discussion are usually combined.**

- (d) The main purpose of the Conclusion section is to shortly repeat what is in the Results section.

Motivation: Do not repeat what is in the Results section, unless special emphasis is needed. It should add a new, higher level of analysis, and should indicate explicitly the significance of the work.

2. Which of the following statement is(are) correct about constructing an outline of a paper according to George M. Whitesides?

- (a) An outline should contain significant amount of text to be readable.

Motivation: False. An outline itself contains little text.

- (b) One should start to construct an outline after finishing a project.

Motivation: False. Start writing possible outlines for papers early in a project.

- (c) The outline should be organized around text.

Motivation: False. Organize the outline and the paper around easily assimilated data - tables, equations, figures, schemes - rather than around text.

- (d) **None of the above.**

3. Which of the following statement is(are) correct about the tense in an academic paper?

- (a) When describing experimental results, use the present tense.

Motivation: False. Use past tense.

- (b) **When attributing a statement or idea to a person, use the past tense.**

**Motivation: True. An author's opinions can change with time. When attributing a statement or idea to a person, use the past tense.**

- (c) **When discussing concepts, use the present tense.**

**Motivation: True. Concepts are always here and now.**

(d) All of the above.

4. Which of the following statement for the theoretical development of an article is(are) false?

- (a) In contrast to variance theories, process theories use events and states to help explain dynamic phenomena. Thus, in a review, the results of variance and process research are independent elements.

Motivation: False. Do not treat the results of variance and process research as independent elements of a review. Rather, make every effort to show how these two approaches reveal a deeper understanding of the topic.

- (b) Variance theories incorporate dependent variables that cause variation in independent variables.

Motivation: False. Variance theories incorporate independent variables that cause variation in dependent variables.

- (c) Models and propositions capture relationships between variables and represent theories.

Motivation: False. Models and propositions capture relationships between variables, but do not, on their own, represent theories.

- (d) Extending current theories is a difficult task and is often the weakest part of a review, so it is the least important part of a review.

Motivation: False. It is the most important part of a review.