

QUIZ MODULE 5 – CLASS #1

Question 1	
What is the main purpose of the abstract of a scientific paper?	
Answer	feedback
a) Introduce the relevance of the research	Incorrect – The abstract summarizes the full paper and should contain the background and aim of the study, a summary of the study design and results, and the study conclusion.
b) Provide an in-depth discussion of the implications of the research	Incorrect – The abstract summarizes the full paper and should contain the background and aim of the study, a summary of the study design and results, and the study conclusion. The abstract excludes a discussion on the research relevance.
c) Discuss the motivation for the research, without revealing the findings	Incorrect – The abstract summarizes the full paper and should contain the background and aim of the study, a summary of the study design and results, and the study conclusion. The abstract excludes a discussion on the motivation for the research.
d) Provide a summary of the research to entice the reader to read the full-paper	Correct – The abstract summarizes the full paper and should contain the background and aim of the study, a summary of the study design and results, and the study conclusion.

Question 2	
What must be included in the introduction of a scientific paper?	
Answer	feedback
a) An extensive literature review	Incorrect – The introduction should include the study background and significance of the topic, the information gap or the unsolved problem, the study question, hypothesis, and objectives. In the study background, a summary of the state of knowledge is presented, rather than an extensive literature review.
b) Details of the research methods	Incorrect – The introduction should include the study background and significance of the topic, the information gap or the unsolved problem, the study question, hypothesis, and objectives. Details of the research methods should be presented in the method sections.
c) Details of the research findings	Incorrect – The introduction should include the study background and significance of the topic, the information gap or the unsolved problem, the study question, hypothesis, and objectives. Details of the research findings should be presented in the result sections.
d) A rationale for conducting the study and key research questions	Correct – The introduction should include the study background and significance of the topic, the information gap or the unsolved problem, the study question, hypothesis, and objectives.

Question 3	
Which of the following is the main goal of the methods section of a scientific paper?	
Answer	feedback
a) Meticulously describe how the data were recorded	Incorrect – Informing how the data were collected and recorded is an important step in data quality. However, the main goal of the methods section is to describe in detail how the study was conducted to allow others to reproduce your study.
b) Provide enough detail to allow other researchers to replicate your study	Correct – The methods section should describe in detail how the study was conducted to allow others to reproduce your study.
c) Outline the demographic information of the research participants	Incorrect – The demographic information should be presented in the result section. The methods section should describe in detail how the study was conducted to allow others to reproduce your study.
d) Demonstrate that the methods employed are better than those used by other researchers	Incorrect – The methods section should describe in detail how the study was conducted to allow others to reproduce your study. Usually, there is no need to demonstrate that the methods you used are better than those employed by others. In case you must justify the choice of a method, this should be done in the discussion section.

Question 4	
What section is considered the core of a scientific paper?	
Answer	feedback
a) Introduction	Incorrect – The results are the core of the paper.
b) Methods	Incorrect – The results are the core of the paper.
c) Results	Correct – The results are the core of the paper.
d) Discussion	Incorrect – The results are the core of the paper.

Question 5	
All of the following factors should be considered when choosing a journal, EXCEPT :	
Answer	feedback
a) aims and scope of the journal	Incorrect – Your research should fall within the aims and scope of the journal you have targeted.

b) citation indexing	Incorrect – Verify that the journal you are considering is indexed in international citation databases, such as PubMed, Scopus, EMBASE, International Scientific Indexing (ISI), and Web of Science.
c) impact factor	Incorrect – Verify the journal impact factor, which measures the yearly mean number of citations of the articles published in the journal in the last two years. The higher the impact factor, the more prestigious the journal.
d) availability of hard copies and reprints	Correct – You should not consider if hard copies and reprints are available when choosing a journal to publish your research, most papers are currently accessed through e-database searches.

Question 06

Which of the following is a goal of the discussion section?

Answer	feedback
a) Present additional results that were not shown in the result section	Incorrect – The discussion section provides a critical analysis and interpretation of the findings and highlights their relevance in light of the published literature. Data that were not shown in the result section should not be included in the discussion.
b) Discuss a topic that does not relate to the study results or methods employed	Incorrect – The discussion section provides a critical analysis and interpretation of the findings and highlights their relevance in light of the published literature. The discussion should relate to the study topic, findings, methods, and limitations.
c) Ignore results that do not support the hypothesis	Incorrect – The discussion section provides a critical analysis and interpretation of the findings and highlights their relevance in light of the published literature. The results that failed to support the hypothesis should not be ignored, rather they should be reported and discussed.
d) Explain the significance of the results	Correct – The discussion section provides a critical analysis and interpretation of the findings and highlights their relevance in light of the published literature.