

STANDARD CORRECTION OF METHODOLOGY AND TERMINOLOGY
EXAM (LI)

Part 1 Complete the table below by selecting the correct answer (14 pts)

1. What is the main function of an enzyme?

- a) To store genetic information
- b) To accelerate chemical reactions
- c) To produce energy
- d) To transport oxygen

2. Which of the following is NOT a step in the scientific research process?

- a) Collecting data in an organized manner
- b) Drawing conclusions based on data analysis
- c) Ignoring previous research on the topic
- d) Understanding the nature of the problem

3. What is the key difference between basic research and applied research?

- a) Basic research focuses on solving current problems, while applied research focuses on enhancing knowledge.
- b) Basic research is practical, while applied research is theoretical.
- c) Basic research aims to enhance knowledge, while applied research aims to solve specific problems.
- d) Basic research uses secondary data, while applied research uses primary data.

4. What is the scientific method?

- a) A set of tools and instruments used in research.
- b) A set of rules and procedures to achieve objectives and conduct scientific research.
- c) A specific technique used in a particular field of study.
- d) A way to communicate scientific results.

5. How should a problem be stated in the scientific investigation process?

- a) As a statement.
- b) As a hypothesis.
- c) As a question.
- d) As a conclusion..

6. What is a hypothesis?

- a) A proven fact.
- b) A possible answer to the problem that needs to be tested.
- c) A conclusion drawn from the experiment.
- d) A tool used in scientific research.

7. Which of the following is NOT a requirement for designing an experiment?

- a) Testing only one hypothesis.
- b) Varying multiple parameters at once.
- c) Having a control to compare results.
- d) Presenting reagents if used.

8. What are some means of communicating scientific results?

- a) Diagrams, tables, and graphs.
- b) Hypotheses and conclusions.
- c) Observations and tools.
- d) Reagents and controls.

9. What should the conclusion of a scientific investigation include?

- a) A new hypothesis to test.
- b) A clear and precise answer to the problem posed.
- c) A list of tools used in the experiment.
- d) A summary of the observations.

10. What is the primary purpose of a bibliography?

- a) To organize books in a library
- b) To help users find books and materials of interest
- c) To create a list of authors
- d) To summarize research findings

11. Which of the following is NOT a phase in bibliographic research?

- a) Investigation Phase
- b) Analysis Phase
- c) Documentation Phase
- d) Publication Phase

12. Which of the following is a criterion for evaluating the quality and relevance of sources?

- a) Searching by domain-specific keyword
- b) Searching by the color of the book cover
- c) Searching by the publisher's name
- d) Searching by the number of pages

13. What does the "AND" Boolean operator do in a search query?

- a) It broadens the search by including synonyms
- b) It narrows the search by requiring both terms to be present
- c) It excludes one of the terms from the search
- d) It searches for terms in any order

14. What is the purpose of the Writing Phase in bibliographic research?

- a) To gather data
- b) To analyze data

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- c) To organize data into a logical structure and write the report
d) To search for sources
- 15. What is the primary purpose of referencing in academic writing?**
a) To make the paper longer
b) To avoid plagiarism and give credit to original authors
c) To confuse the reader
d) To show off the writer's knowledge
- 16. What is plagiarism?**
a) Using someone else's work without proper acknowledgment
b) Writing a paper entirely on your own
c) Citing sources correctly
d) Summarizing your own work
- 17. Which of the following acts constitutes plagiarism?**
a) Copying the work of another student
b) Summarizing the work of another
c) Using experimental results obtained by another
d) All of the above
- 18. What are the key elements that should always be included in a bibliography?**
a) Author's name, title of the document, and publication date
b) Author's name, title of the document, and page numbers
c) Title of the document, publication date, and publisher's location
d) Author's name, publisher's name, and edition
- 19. How should you cite a book with more than two authors in the Harvard system?**
a) (First Author's Last Name & Second Author's Last Name, Year)
b) (First Author's Last Name et al., Year)
c) (First Author's Last Name, Second Author's Last Name, Third Author's Last Name, Year)
d) (First Author's Last Name and Second Author's Last Name, Year)
- 20. Which of the following is NOT a referencing style mentioned in the chapter?**
a) Harvard System
b) APA System
c) MLA System
d) Vancouver System
- 21. When referencing a chapter from an edited book, what information is required?**
- 22. What should you do if a document has multiple dates (e.g., publication date, printing date)?**
a) Use all the dates in the citation
b) Use the most recent date
c) Use the oldest date
d) Use the date that is most relevant to your research
- 23. What information is mandatory on the cover page of a thesis?**
a) The student's favorite quote
b) The names and academic titles of the jury members
c) The student's hobbies
d) A list of references
- 24. What is the purpose of the abstract in a thesis?**
a) To thank people who helped with the thesis
b) To provide a detailed literature review
c) To convey the most important messages about the project
d) To list all the references used in the thesis
- 25. What should the introduction chapter of a thesis include?**
a) A detailed description of the research methodology
b) A list of all the references used
c) The background, importance, and significance of the work
d) A summary of the results
- 26. What is the purpose of the literature review chapter?**
a) To describe the materials used in the research
b) To summarize the results of the research
c) To critically analyze prior work in the field
d) To thank the thesis supervisor
- 27. What should the results and discussion chapters include?**

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- a) A list of all the references
- b) Figures and tables to summarize data
- c) A detailed description of the research methodology
- d) A tribute to the thesis supervisor

28. What is the final step in writing a thesis?

- a) Writing the abstract
- b) Formatting the thesis and preparing for the defense
- c) Conducting the literature review
- d) Collecting data

1	2	3	4	5	6	7	8	9	10	11	12	13	14
b	c	c	b	c	b	b	a	b	b	d	a	b	c
15	16	17	18	19	20	21	22	23	24	25	26	27	28
b	a	d	a	b	c	a	b	b	c	c	c	b	b

Part 2: Answer with "true" or "false" (6 pts).

Statement	True	False
Terminology is the discipline that deals with scientific or technical vocabularies or terms	X	
A thesis is a scientific document prepared according to specific theoretical, methodological, and practical rules.	X	
The signature in a formal email should include your name, title, and any other relevant information.	X	
Cytology is the study of tissues.		X
Software skills (e.g., Word, Excel) are not considered necessary for writing a thesis.		X
The Boolean operator OR decreases the number of search results.		X

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