University of Guelma
Department of Computer Science
Semester 1, ING1 (2024/2025) - Time: 1h15

17/06/2025
Writing Skills and Office
Dr. Mohamed Amine Ferrag

First Name : ..... ; Last Name : .....; Group : .....

Resit Exam (SOLUTION)

This exam consists of multiple-choice questions (MCQs).
Each question may have one, multiple, or no correct options.

Exercise 1

(1 pts) **Question 1:** Identify the accurate statement(s) about writing the *Related Work* section in a computer science research paper.

(a) ☐ Provide a chronological list of every paper you have read on the topic.
(b) ☐ Summarize unrelated studies to demonstrate breadth of reading.
(c) ☒ Synthesize the findings to identify research gaps your work addresses clearly.
(d) ☒ Critically compare existing approaches and highlight their strengths and weaknesses.

(1 pts) **Question 2:** Which statement(s) accurately describe best practices for the *Methodology* section in a computer science research paper?

(a) ☐ Introduce new theoretical concepts not related to your experiments.
(b) ☐ Present raw log files and data dumps in full within the main text.
(c) ☒ Describe the experimental setup and procedures in enough detail to allow reproducibility.
(d) ☒ Justify your choice of evaluation metrics and explain how they measure your system's performance.

(1 pts) **Question 3:** Which of the following statements best describe how to craft an effective *Title* for a computer science research paper?

(a) ☐ Use as many technical acronyms as possible to demonstrate expertise.
(b) ☐ Frame the title as a question to intrigue the reader.
(c) ☒ Include the key technology or method used, alongside the problem domain.
(d) ☒ Be specific and concise, reflecting the core contribution of the work.

(1 pts) **Question 4:** When writing the *Discussion* section of a technical report, which practices are appropriate?

(a) ☐ Reiterate all results verbatim from the Results section.
(b) ☐ Introduce speculative ideas unrelated to your data.
(c) ☒ Discuss limitations of your study and suggest directions for future research.
(d) ☒ Interpret the significance of your findings in the context of related work.

Exercise 2

(1 pts) **Question 5:** When tailoring a CV for a software engineering position, which elements should be emphasized?

(a) ☒ A concise summary of coding projects with links to live demos or repositories.
(b) ☒ Quantifiable achievements, such as performance improvements or bug reductions.
(c) ☐ Detailed listings of every course taken, regardless of relevance.
(d) ☐ Personal hobbies unrelated to technology in extensive detail.

(1 pts) **Question 6:** In structuring a computer science thesis, what optional sections can enhance clarity and completeness?

(a) ☒ An appendix containing supplementary test data and scripts.
(b) ☒ A glossary defining specialized technical terms and acronyms.
(c) ☐ A literature survey embedded in the conclusion instead of a separate chapter.
(d) ☐ A biography of the author preceding the abstract.

(1 pts) **Question 7:** For an academic presentation on your research, which slide design practices improve audience engagement?

(a) ☒ Using minimal text per slide and verbal explanation for details.
(b) ☒ Embedding high-resolution diagrams with clear labels and legends.
(c) ☐ Including full code listings on slides to demonstrate implementation.

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(1 pts) **Question 8:** When preparing a manuscript for submission to a peer-reviewed journal, which practices ensure quality and compliance?

(a) ☒ Formatting references exactly according to the target journal's style guide.
(b) ☒ Crafting a clear and informative running head or short title.
(c) ☐ Uploading raw dataset files with no accompanying documentation.
(d) ☐ Ignoring the journal's word limit in favor of completeness.

Exercise 3

(2 pts) **Question 9:** Which snippet correctly floats and captions an image file named `diagram.pdf`?

(a) ☒ `\begin{figure}[ht]\centering \includegraphics[width=0.5\textwidth]{diagram.pdf} \caption{My Diagram}\end{figure}`
(b) ☐ `\begin{figure}[h]\includegraphics{diagram.pdf}\end{figure}`
(c) ☐ `\begin{graphic}\includegraphics{diagram.pdf}\caption{Diagram}\end{graphic}`
(d) ☐ `\begin{img}[h]\image{diagram.pdf}\caption{}\end{img}`

(2 pts) **Question 10:** After labeling a section with `\label{sec:background}`, which command references its section number?

(a) ☒ `\ref{sec:background}`
(b) ☐ Section `\pageref{sec:background}`
(c) ☐ `\label{sec:background}`
(d) ☐ `\nameref{sec:background}`

(2 pts) **Question 11:** In a document using `natbib`, which command cites the bibliography entry with key `knuth84`?

(a) ☒ `\cite{knuth84}`
(b) ☐ `\bibitem{knuth84}`
(c) ☐ `\bibliography{knuth84}`

(2 pts) **Question 12:** Which package provides extended color support for text and tables?

(a) ☒ `\usepackage{xcolor}`
(b) ☐ `\usepackage{color}`
(c) ☐ `\usepackage{graphicx}`
(d) ☐ `\usepackage{fontenc}`

(2 pts) **Question 13:** Which environment is appropriate for numbered displayed equations?

(a) ☒ `\begin{align}`
(b) ☐ `\begin{math}`
(c) ☐ `\begin{displaymath}`

(2 pts) **Question 14:** To create a 2x2 table with borders, which snippet is valid?

(a) ☒ `\begin{table}\begin{tabular}{|c|c|} ... \end{tabular}\end{table}`
(b) ☐ `\begin{tabular}{cc} ... \end{tabular}`
(c) ☐ `\begin{bordered} ... \end{bordered}`
(d) ☐ `\begin{tabellenv} ... \end{tabellenv}`