

Question 1 (British vs. American English):**(10 points)**

Underline five Britishisms in the text below, and explain how they would be expressed in American English.

She left the centre of the neighbourhood theatre – and moved towards the door. Something about her behaviour was ‘unusual’. It was 1 January 2025. Perhaps that was the reason, she theorised.

Question 2 (Informality):**(10 points)**

Underline five informal expressions in the text below, and suggest a more formal alternative for each.

Since I installed a new Linux distro, I can't use my mouse anymore. Thankfully, my keyboard still works, so I could code up a program that prints some text to the console. I didn't have to write the program from scratch. I could reuse some code written in the eighties by Alice P. Hacker.

Question 3 (Gender Neutrality):**(10 points)**

Rephrase the following text to make it gender-neutral. Perform the modifications in place.

Jane Austen addresses the reader directly in the tone of a confidant. In this way, Austen gives him the confidence he requires to believe that he can comprehend the narrative fully by simply trusting his memory. He always follows Austen's grand design. Through this connection, he feels as though Austen is personally guiding him through the story.

Question 4 (Verbosity):**(10 points)**

Underline five verbose expressions in the text below, and suggest a more concise alternative for each.

Owing to the fact that mathematics is the foundation of computer science, mathematics is a subject that is an essential part of the curriculum. In other words, in order to understand computer science, you must understand mathematics. For all intents and purposes, one can say that mathematics is a computer's soul. The next point I want to emphasize is that both subjects rely on logical reasoning and abstraction, in some shape or form. As far as I am concerned, logic should be taught to all schoolchildren around the world. The usefulness of logic also resides in the fact that it provides a solid foundation for rational, critical thinking.

Question 5 (Irregular Plurals):**(10 points)**

Underline five irregular plurals in the following text, and give in each case the singular form.

The indices of vectors and matrices are usually natural numbers (starting from 0), and similarly for the states of finite automata. Parentheses are used in logic to group terms, formulae, and other expressions. Such conventions are explained either in the appendices of theses and textbooks or in their background chapters. Additionally, these conventions help ensure clarity and consistency in mathematical and logical expressions.

Question 6 (Mistakes):**(10 points)**

Underline and correct five language mistakes in the following text. Perform the corrections in place.

Whom was it who claimed that Java is simpler than C++? Was it Bloch et. al.? When comparing Java to C++, it is true that Java stands out as the easier to learn at first. But you must consider more than a languages learning curve. What I associate to Java is its verbose syntax, garbage collector, and reflection capabilities. These effect the language's learnability for those who want to become experts and insure that Java is as difficult to thoroughly mister as its cousin C++.

Question 7 (Which Hunting):**(10 points)**

Replace all “wicked” *which*’s by *that*’s and all wrong *that*’s by *which*’s in the following text. You can assume that the punctuation is correct. Perform the modifications in place.

I quickly saved the document which I had been working on all morning. About that document, I will say no more. I made sure to grab my warm coat, which was hanging in the closet, before I left home. The lunch I ate, that was prepared by a top chef and which looked appealing, was not to my liking. The storm, that was approaching us quickly, inspired a fear which stayed with me all afternoon. I went to the florist shop which sells my favorite flowers. I quickly bought my favorite flowers, which are lilies, before I headed home, which was not far. I put the flowers in a pot, which made me happy and reminded me that I had to water my plants.

Question 8 (Punctuation):**(10 points)**

The following text contains some punctuation mistakes. Underline five such mistakes, and correct them directly in the text.

The novel's wonderful irony of course, lies in the final reversal of this fantasy, when the reader, and Emma learn, that she has been the "object" of exactly such control of espousal. The larger significance, however of this scene, and of much of Emmas inner life, is Emma's self-misunderstanding. Meanwhile, Emma misperceives Frank's gestures, (dancing with her, standing by her chair) and his word (all the repartee about Dixon and things Irish), and therefore misunderstands herself.

Question 9 (Revision):**(10 points)**

The following 174-word abstract is long and verbose. Shorten it by at least 25% using the haircut and amputation approaches while preserving its essence.

A distributed system may be modeled by objects that run concurrently, each with its own processor, and communicate by remote method calls. However, objects may have to wait for response to external calls, which can lead to inefficient use of processor capacity or even to deadlock. This paper addresses this limitation by means of asynchronous method calls and conditional processor release points. Although at the cost of additional internal nondeterminism in the objects, this approach seems attractive in asynchronous or unreliable distributed environments. The concepts are illustrated by the small object-oriented language Creol and its operational semantics, which is defined using rewriting logic as a semantic framework. Thus, Creol specifications may be executed with Maude as a language interpreter, which allows an incremental development of the language constructs and their operational semantics supported by testing in Maude. However, for prototyping of highly nondeterministic systems, Maude's deterministic engine may be a limitation to practical testing. To overcome this problem, a rewrite strategy based on a pseudo-random number generator is proposed, providing Maude with nondeterministic behavior.

Continuation of Question 9:

Question 10 (Citations):**(10 points)**

The following text uses poor citation style. Rewrite it to use proper citations.

Our leading design principle has been to aim for a stylish extension of superposition, [30] following Stroustrup's zero-overhead principle: "What you don't use, you don't pay for." [25] We know of some closely related work [5] [12] [22]. In [24], a broader overview of the state of the art is given.

