



National University of Computer & Emerging Sciences, Karachi
Fall 2023, CS-Department
Mid-Term I



28th September, 2023; 10:00 am to 11:00 am

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| Course Code: SS1012 | Course Name: Functional English |
| Instructor Name: Nazia Imam, Sameera Sultan, Sabeen Amjad, Huma Hafeez, & Sharmeen Ismail | |
| Student Roll No: | Section No: |

Instructions:

- Return the question paper. **ANSWER ALL THE QUESTIONS IN THE ANSWER COPY.**
- Write only the answers in your answer copy after putting the correct question number.
- This question paper has 2 pages and 2 questions.

Time: 1 hour

Max Marks: 25

(Q1) CLO1

- a) Read the following passage. Some of the items in different sentences of the passage are numbered (as superscript), underlined, and boldfaced. State the grammatical type of these items. You can choose from the options below.

Independent Clause

Dependent Clause

Phrase

In case of dependent clauses, also state the type of the dependent clause. Just put the correct item number, and write its type in your answer copy. [6]

Data analytics, which involves examining and interpreting data¹, is an essential process for making informed decisions. Computer engineers, who are skilled in data analysis, use specialized software tools to extract valuable insights from large datasets. **Data analytics is crucial for businesses looking to gain a competitive edge**².

Data is everywhere, and **people use data every day**³, whether they realize it or not. Daily tasks such as measuring coffee beans to make your morning cup⁴, checking the weather report before deciding what to wear, or tracking your steps throughout the day with a fitness tracker can all be forms of analyzing and using data. Data analytics is important across many industries as many business leaders use data to make informed decisions⁵. A sneaker manufacturer might look at sales data to determine which designs to continue⁶ and which to retire, or a health care administrator may look at inventory data to determine the medical supplies they should order.

- b) Rewrite the following sentences by making them impersonal and objective. [4]

1. Our company sold more cars in 2023.
2. Our survey demonstrates that students have a negative attitude towards online classes.
3. I would like to conclude by stating that despite its side effects, vaccines are essential for everyone.
4. If we encourage the use of alternate energy resources, we will be able to decrease air pollution in the next ten years.

(Q2) CLO2

- a) Join the following sentences by using the correct conjunction (given in brackets) that fits the context and completes the sentence accurately and meaningfully. In other words, the brackets have two choices. Select the conjunction/conjunction pair which is logically appropriate. [5]

1. The algorithm not only improved data processing speed but also enhanced accuracy. It required significant computational resources. (and/yet)

2. The technology has the potential to revolutionize healthcare. There are ethical concerns and unforeseen consequences to consider. (although/as)
3. The engineers developed a prototype. It requires further testing. It can be mass-produced. (for, after / but, before)
4. The fusion reactor promises a nearly limitless source of clean energy. It is harnessed effectively. (although/if)
5. She had studied for hours. She still felt unprepared for the exam. She decided to review her notes one more time before going to bed. (although, so / because, for)

b) The following passages contain fragments. Rewrite each passage correcting the fragments using the most suitable method as per the context of the sentence. [5]

1. The scene was filled with beauty. Such as the sun sending its brilliant rays to the earth and the leaves of various shades of red, yellow, and brown moving slowly in the wind.
2. He talked for fifty minutes without taking his eyes off his notes. Unlike other teachers in that department. He did not encourage students' questions.
3. Mount St. Helens erupted on Tuesday for the fourth time in nine months. Sending a billowing, buff-colored cloud 40,000 feet into the sky.
4. American politics, at both the state and the Federal levels, is too much concerned with the protection of large fortunes. America being the only example in history of a genuine timocracy, that is, a state based on wealth and property ownership.
5. To let students get home before the storm. The school dismissed classes early. However, many of the youngers students did not take heed of the warnings. Staying back at the school to witness the storm.

c) There are 5 run-on sentences (both fused and comma splice) in the given passage. Identify them and correct them using the techniques suggested below. Please write the entire corrected sentence in your answer copy. [5]

- For the first run-on, use a semi colon.
- For the second and third run-on, use a coordinator. Do not repeat a coordinator used once.
- For the fourth, use full stop and a capital letter.
- For the fifth run-one, use a suitable subordinating conjunction.

[1] Automation is the use of technology to perform tasks with minimum human input. [2] The term automation was coined in the automobile industry in 1946 to describe the increased use of automatic devices and controls in mechanized production lines. [3] The origin of the word is attributed to D.S. Harder, Harder was an engineering manager at the Ford Motor Company at the time. [4] The term is used widely in a manufacturing context it is also applied outside manufacturing in other advanced industries and factories.

[5] In general usage, automation can be defined as a technology concerned with performing a process by means of programmed commands combined with automatic feedback control to ensure proper execution of the instructions, the resulting system is capable of operating without human intervention. [6] The development of this technology has become increasingly dependent on the use of computers and computer-related technologies, automated systems have become increasingly sophisticated and complex. [7] Advanced systems represent a level of capability and performance that surpass in many ways the abilities of humans to accomplish the same activities. [8] Automation has revolutionized those areas in which it has been introduced, it is eliminated errors and accelerated the pace of industrial activities.

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