

Birla Institute of Technology & Science, Pilani, Pilani Campus

Technical Communication BITS F437

Semester I _ 2023-24

Mid-semester Examination (Closed Book)

MM: 60

Date: 12/10/2023

Time: AN1 (90 mins)

Answer all questions in the answer sheet only.

Write legibly.

- I. Identify the genre in terms of its moves. Mention the moves and mention the number of the corresponding sentences. After marking the text, answer the questions given. **(5 Marks)**

"Pharmacotherapy vs. Pharmacogenomics: Contrasting Approaches to Personalized Medicine"

[1] In the field of pharmacy, two distinct approaches to personalized medicine have emerged: pharmacotherapy and pharmacogenomics. [2] While both aim to tailor treatments to individual patients, they differ significantly in their methodologies and applications. [3] Firstly, pharmacotherapy relies on a patient's medical history and symptoms to select the most appropriate medication. [4] It focuses on optimizing drug dosages and combinations for general efficacy. [5] In contrast, pharmacogenomics delves into a patient's genetic makeup to determine drug responses. [6] This approach emphasizes precision medicine by identifying genetic variations that may affect drug metabolism and efficacy. [7] Moreover, pharmacotherapy is a well-established practice with a vast clinical history, while pharmacogenomics is a relatively newer field, still in the process of discovery and development. [8] The former follows conventional treatment protocols, while the latter seeks to revolutionize medicine by providing tailored treatments based on genetic profiles. [9] In conclusion, _____"

- A. In this text, the conclusion is missing. Write in one sentence the conclusion. **(5 Marks)**
- II. Imagine you are the HR in the Meta Pharma Company, and you need to inform an employee, Mr. John Smith, that he did not get the promotion he applied for. Write a well-organized letter to communicate this news in a professional and sensitive manner. Your letter should be no more than 150 words. Invent necessary details. **(10 Marks)**
- III. Write the introduction of a technical report on water conservation in 150-200 words. This introduction should include the purpose of the study, the problem and the solution. Since the audience of this report includes experts from different fields of study, it should be written in a style that is engaging and accessible to the average reader. **(20 Marks)**

IV. The new global education goal, Sustainable Development Goal 4 (SDG 4), covers an ambitious range of targets, including the pledge to ‘ensure that all girls and boys complete free, equitable and quality primary and secondary education leading to relevant and effective learning outcomes’ and to ‘eliminate gender disparities in education and ensure equal access to all levels of education and vocational training for the vulnerable, including persons with disabilities, indigenous peoples, and children in vulnerable situations’ by 2030 (United Nations, 2015). While the number of excluded children and adolescents fell steadily between 2000 and 2007 globally, progress has since slowed, especially in certain regions. Critically analyze the data in the following Figure and write a suitable critical data commentary in 150 words. **(20 Marks)**

Figure: An overview of the out-of-school rate for different regions of the world for the year 2014.

