



Technical English (1), Keywords, English use:

To write a technical English composition, which involves using clear, precise, and often specialized language to explain complex topics or processes. In such compositions, the focus is on clarity, accuracy, and the appropriate use of technical terms and keywords relevant to the subject at hand.

Here's a breakdown of how to approach a technical composition:

1. Identify the Purpose

Inform or Explain: The primary goal of technical writing is to inform or explain a specific concept, process, or technology.

Audience: Know who you're writing for (experts, general public, or a specific profession). This will guide the complexity of the language and level of detail.

2. Use of Keywords

Technical Terms: These are words that are specific to the field you're writing about. For example, in engineering, terms like “load-bearing capacity” or “tensile strength” would be common.

Consistency: Always use technical terms consistently. Avoid using non-technical synonyms or vague descriptions when a specific term is more accurate.

Definitions and Clarifications: If you use complex or specialized terms, define them briefly to ensure that your readers understand them.

3. Clear Structure and Organization

Introduction: Clearly define the topic and the objective of the composition.



Body: Break down the subject into manageable sections. Use headings and subheadings to guide the reader.

Conclusion: Summarize key points and their implications or provide a call to action (if applicable).

4. Simple, Direct Language

Clarity: Technical writing should be straightforward. Avoid unnecessary jargon or overly complex sentence structures.

Active Voice: Prefer active voice over passive voice to make the sentences more direct and easier to understand.

Graphs, Tables, and Diagrams: Use visual aids when they help clarify or support your explanations.

5. Examples of Keywords in Technical English

Depending on the field, here are some common categories of keywords:

Engineering: force, torque, material properties, tensile strength, algorithm, efficiency.

Computing: algorithm, API, database, software, encryption, server, cloud computing.

Medical/Health: diagnosis, treatment protocol, clinical trial, patient care, disease prevention.

Business/Finance: ROI (Return on Investment), assets, liabilities, market trends, corporate strategy.



Example of a Technical English Composition (in IT)

Title: Understanding the Basics of Cloud Computing

Introduction

Cloud computing is a revolutionary technology that allows users to access and store data over the internet rather than on a local computer or server. This composition aims to explain the basic principles of cloud computing, its types, and its benefits.

Body

What is Cloud Computing?

Cloud computing refers to the delivery of computing services like storage, processing, and networking over the internet. These services are hosted on remote servers, and users can access them from any device with an internet connection.

Types of Cloud Computing

There are three primary models of cloud computing:

Infrastructure as a Service (IaaS): Provides virtualized computing resources over the internet, such as virtual machines and storage.

Platform as a Service (PaaS): Offers a platform allowing customers to develop, run, and manage applications without managing infrastructure.



Service

Software as a (SaaS):

Delivers

software

applications over the internet on a subscription basis, such as Google Workspace or Microsoft 365.

Benefits of Cloud Computing

Cloud computing offers numerous benefits, including:

Cost Efficiency: Users can pay only for what they use, which reduces hardware and operational costs.

Scalability: Cloud services can scale up or down based on demand, providing flexibility.

Accessibility: Cloud services are accessible from anywhere with an internet connection, which enhances mobility and collaboration.

Conclusion

In summary, cloud computing has transformed how businesses and individuals store and access data. With its various models and significant benefits, it continues to grow as a core technology across industries.