

For a, the model would likely use text classification techniques to analyze the content of the email and determine which category it falls into based on specific keywords, patterns, or features. This type of model is commonly used in email clients to automatically sort incoming emails and make it easier for users to find what they need.

For b, the model would likely use Automatic summarization techniques to analyze the content of the essay and assign a grade based on various factors, such as coherence, organization, and grammar. This type of model is often used in educational settings to provide more efficient and consistent grading, and to provide feedback to students on how they can improve their writing skills.

For c, the model would likely use question Answering to assist doctors to provide their diagnosis using NLP could be a Clinical Decision Support System or CDSS: capable of analyzing patient data and generate recommendations to help doctors to make clinical decisions. The NLP aspect of CDSS would involve analyzing the unstructured data from the patient's medical record, such as notes and descriptions of symptoms, to generate a more complete picture of the patient's condition. This could help doctors immensely to make more informed decisions and also greatly improve patient outcomes. Additionally, CDSS could also provide real-time alerts to doctors about potential drug interactions or adverse events, further preserving patient's safety.