**A.** A model that allocates which mail folder an email should be sent to (work, friends, promotions, important), like Gmail's inbox tabs.

Text Classification as the assigned task is to classify emails into different sets or files based on their subject. This process requires the analysis of the text of the email and assigning it to the appropriate category and so it falls under the text classification category of NLP applications.

**B.** A model that helps decide what grade to award to an essay question. This can be used by a university professor who grades a lot of classes or essay competitions.

Automated Essay Grading due to the task being automatic assessment and assignment of grades to essay questions. This involves analysis of the content, structure, and quality of the essay to determine an appropriate grade. This falls under the automated essay grading category of NLP applications.

**C.** A model that provides assistive technology for doctors to provide their diagnosis. Remember, doctors ask questions, so the model will use the patients' answers to provide probable diagnosis for the doctor to weigh and make decisions.

Question Answering / Medical Diagnosis Support as the task is to assist doctors in diagnosing patients by presenting feasible diagnoses based on the patients' answers to questions this means that it involves understanding and processing the patients' responses and providing relevant medical material to back the doctor's decision-making process; meaning that it falls under the question answering and medical diagnosis support category of NLP applications.