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

**Answer: Text classification.** Assigns tags to various texts to group it into similar packs, thus making sure that certain used words or names will get into the right inbox.

source: https://developers.google.com/machine-learning/guides/text-classification?hl=en

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.

**Answer: (AES) Automated Essay Scoring.** Helps reducing costs, work and provides standardization.

source:https://en.wikipedia.org/wiki/Automated_essay_scoring

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.

**Answer: Question answering.**
source: https://en.wikipedia.org/wiki/Question_answering