Task 22

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 would be used for email categorisation. This involves assigning pre-defined categories or labels to a given text document (email).

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: Supervised learning method would be used for this, as the program learns from examples that have had the right answers assigned to them beforehand. This will help grade the essay based on the students answers against previous/assigned correct answers.

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 model would help assist the doctor to help provide many diagnosis depending on the patients answers to the doctors questions.