Q2.

Ans. I would prefer recall. The reason is that it will tell how much cancer cases I was able to detect. If I choose to use precision, there can be a chance that I have all samples of non - cancer patients. In such a case, I would be achieving perfect precision (if I predict that they are non - cancer patients). However, recall will be zero as I will not be testing/predicting true cancer patients. Hence, for this application I will use recall because it will tell me the fraction of true events detected. Secondly, it is tolerable to say that a non-cancer patient has cancer, it can be daunting for the patient, but not tolerable to say that a cancer patient is alright. Hence, this also forces one to rely on recall.