1. With the aid of examples, differentiate *generic software product* from *bespoke software product*.
2. Do you think that *system engineering* same as *software engineering*? Explain.
3. Easy2Study is interested to develop an education system according to the Software Engineering’s layered technology which consists of 4 important layers. Assist Easy2Study to analyse each layer based on the system by proposing appropriate technology. [Hint: technology for each layer can be a tool, methodology, quality attributes, and software process model.]
4. Sri Touch Academy is a newly established company in Kuala Lumpur which offers make-up, hairstyling, and art courses. The courses are conducted in both full time and part time modes. As a software engineer, you are responsible to build an online website for the company to allow customer to register as member, pay the fees, check classes’ schedule, post questions, share success story, subscribe to weekly newsletter, chat with company personnel, and connect to other social networks such as Facebook Page, Twitter, and Instagram. You have three months to accomplish the project together with your junior software engineer. Sri Touch Academy requested you to deliver the initial version within two months and the subsequent within one month.

Recommend and explain 3 software quality attributes that must be included in the online website.

1. Discuss 3 challenges/problems on software developments that are likely to be faced by software engineer in current software industry.
2. Mandy is a fresh graduate from the School of Computer Sciences. Recently she is hired by a software house to develop bespoke software for clients. Describe 3 important code of ethics that Mandy need to follow as a software engineer in the software house.
3. EPS Company is currently researching into Track Your Truck (TYT) application that offers an efficient and effective vehicle tracking system. TYT allows users to check real time location of their vehicles through Global Positioning System (GPS). Users can also view their vehicles’ fuel usage, mileage, performance analysis reports through TYT. In the event of vehicle theft, a notification message will be sent to police station automatically and to the owner at the same time. In order to recover the lost vehicle, the real time location can be tracked by the owner. (Source: http://www.trackyourtruck.com/)

Software engineering is a layered technology consisting of Quality, Process, Methods, and Tools. Suggest 3 software qualities that must be included in the Track Your Truck system. Justify your answer.