## **Part 1**

### **a)**

As B2B portal’s website works with a very huge amount of data, NoSQL queries will be very beneficial because it can handle a large number of datasets at a very high speed, can store and retrieve structured, unstructured, and semi-structured data, is more flexible and scalable, is low cost which provides a better B2B back-end data storage solution. Graph database will be used for the B2B portal’s website.

### **b)**

As there will be lots of activities of searching, buying, selling by the users from the different parts of the world on the website, it is really necessary to get the results back very fast as possible. Therefore, the Hadoop framework will be needed which works in distributed and parallel working systems. This will use distributed file storage system and allows parallel and distributed processing which will give us results back at a very high speed for a better user experience.