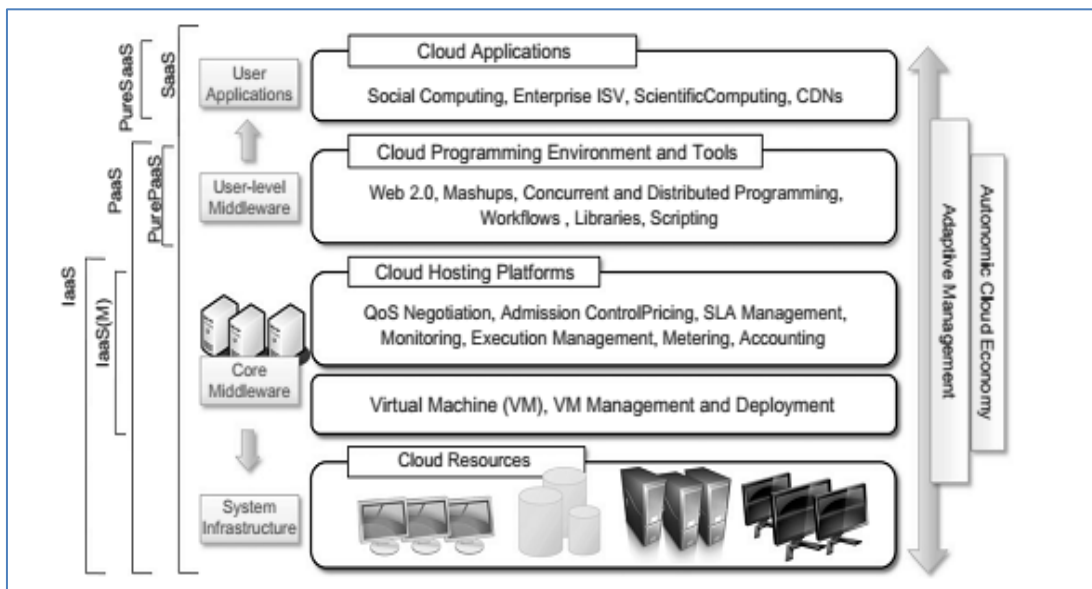## Assignment One   (30 MARKS)

1. A company is considering a cloud environment to improve the operating efficiency for their data and applications. The company is part of an industry where strict security and data privacy issues are of the highest importance.   **(20 marks)**

   i) Specify the type of cloud would be of good choice and justify.

   ii) Give requirements for that implementation.

   iii) State benefits of that deployment.

   iv) If that company has decided to leverage the web conferencing services provided by a cloud provider and to pay for those services as they are used. The cloud provider manages the infrastructure and any applications upgrades.

        a. By justifying your answer, state the type of cloud service.

        b. Give the name of some popular providers of such solutions.

2. The figure below depicts the cloud architecture. Briefly discuss the various components that build the cloud architecture: **(10 marks)**

Cloud computing has gained huge popularity in industry due to its ability to host applications for which the services can be delivered to consumers rapidly at minimal cost. Some of the applications are from a range of domains, from scientific to engineering, gaming, and social networking. Discuss any four types of applications citing appropriate examples.