Smart Question Paper

Subject: Cloud Computing

# Unit 1: Distributed System Models and Enabling Technologies

1. How can cloud computing be applied in real-world scenarios to improve the scalability and flexibility of distributed system models?  
2. Describe a specific enabling technology used in cloud computing that helps in managing and optimizing resources across a distributed system.

# Unit 2: Virtual Machines and Virtualization of Clusters and Data Centers

1. Can you explain how virtual machines are implemented in cloud computing environments, and provide an example of how they are used to improve efficiency and scalability in data centers?  
2. How does virtualization of clusters and data centers contribute to the overall cost-effectiveness and flexibility of cloud computing services, and what considerations should be taken into account when deploying virtual machines in these environments?