Disclaimer: This is just sample a question bank. All questions in the exam may not be from the question bank.

Paper 2 - Cloud Computing	
Unit 1	1) What is the innovative characteristic of cloud computing? What is the major advantage of cloud computing? 2) Which are the technologies on which cloud computing relies? 3) Provide a brief characterization of a distributed system. 4) Define cloud computing and identify its core features. 5) What are the major distributed computing technologies that led to cloud computing? 6) What is virtualization? 7) What is the major revolution introduced by Web2.0? Give some examples of Web2.0 applications. 8) Discuss about Models for Inter-process communications. 9) Describe the main characteristics of a service orientation. 10) What is utility computing? 11) Describe the vision introduced by cloud computing. 12) Briefly summarize the Cloud Computing Reference Model. 13) Briefly summarize the challenges still open in cloud computing. 14) What is the difference between parallel and distributed computing? 15) List the major categories of parallel computing systems. 16) Describe the different levels of parallelism that can be obtained in a computing system. 17) What is a distributed system? What are the components that characterize it? 18) Explain PaaS in detail. 19) Explain SaaS in detail. 20) Explain in detail about KVM. 21) What are the different types of clouds? 22) Explain IaaS in detail.
Unit 2	1) What is virtualization and what are its benefits? 2) What are the characteristics of virtualized environments? 3) Discuss classification or taxonomy of virtualization at different levels. 4) Discuss the machine reference model of execution virtualization. 5) What are hardware virtualization techniques? 6) List and discuss different types of virtualization. 7) What are the benefits of virtualization in the context of cloud computing? 8) What are the advantages and disadvantages of virtualization? 9) What are the fundamental components introduced in the cloud reference model?

	10) What does Infrastructure-as-a-Service refer to? 11) Which are the basic components of an IaaS-based solution for cloud computing? 12) What are the main characteristics of a Platform-as-a-Service solution? 13) What does the acronym SaaS mean? How does it relate to cloud computing? 14) Give the name of some popular Software-as-a-Service solutions. 15) Classify the various types of clouds. 16) Give an example of the public cloud. 17) Explain RPC in detail. 18) What kinds of needs are addressed by heterogeneous clouds? 19) Describe the fundamental features of the economic and business model behind cloud computing. 20) List some of the challenges in cloud computing. 21) Write a short note on oVirt.
Unit 3	1) Explain the benefits of using OpenStack Cloud. 2) What are the key components of OpenStack? 3) List and explain the basic OpenStack operations tasks. 4) Explain the OpenStack Command Line Interface(CLI). 5) Explain Tenant network with suitable diagram. 6) Explain Quotas in OpenStack. 7) Explain Private cloud building blocks. 8) Explain Controller deployment in OpenStack. 9) Explain Networking deployment in OpenStack. 10) Explain Block Storage deployment in OpenStack. 11) Explain Heat orchestration in OpenStack.