CLOUD COMPUTING

1. Discuss the importance of virtualization and the key characteristics of virtualized environments.

2. Explain with a neat diagram the concept of the cloud computing reference model.

3. Explain in brief the services provided by the following cloud computing platform:

   i) Amazon Web Service

   ii) Google AppEngine

   iii) Microsoft Azure

   iv) Salesforce.com

4. Explain in detail:

   i) Hardware as a Service

   ii) Platform as a Service

   iii) Software as a Service

5. Compare both machine and hardware virtualization reference models with pictorial representation.

6. Illustrate the historical developments and challenges that contributed to the emergence of cloud computing.

7. Explain the concept of cloud & cloud computing and its key characteristics.

8. Contrast on the Hardware and Programming language-level virtualization techniques.

9. Explain in brief the services provided by the following cloud computing platforms:

   i) Amazon Web Service

   ii) Microsoft Azure

   iii) Hadoop

   iv) Manjrasoft Aneka

10. Contrast the concept of deployment models for cloud computing.

11. Explain in detail the taxonomy of virtualization techniques with a flowchart.

12. Contrast on the importance of building cloud computing environments.

13. Explain the role of hypervisors in virtualization, and differentiate between Type 1 and Type 2 hypervisors.

14. Contrast on the application and programming language-level virtualization techniques.

15. Contrast on the importance of building cloud computing environments.

16. Compare both machine and hardware virtualization reference models with pictorial representation.