B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE / MERCY CHANCE EXAMINATIONS, FEBRUARY 2025

Sixth Semester

B.Sc Computer Science Model III

CHOICE BASED CORE COURSE - CC6CBT02 - CLOUD COMPUTING TECHNIQUES

2017 Admission Onwards

8921A04A

Time: 3 Hours   Max. Marks : 80

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Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. What do you mean by Cloud ?

2. Define virtualization.

3. What is GoogleAppEngine?

4. What is live migration?

5. Explain the use of Xen technology.

6. What is a Community Cloud?

7. How fault tolerance is done in Cloud?

8. What is Aneka container?

9. Which services are hosted in a worker node?

10. What does the term "NoSQL"mean?

11. Describe Google AppEngine.

12. What is cloud desktop ? Give examples.

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Explain the major categories of parallel computing system.

14. What are the different phenomena that influenced the growth of virtualization technologies?

15. Write the advantages of virtualization.

16. Explain Infrastructure as a Service.

17. Write a short note on Platform as a Service.

18. Provide a historical perspective of the most important technologies supporting data-intensive computing.

19. What are the major components of the Aneka MapReduce Programming Model?

20. What is SQL Azure? Illustrate its architecture.

21. Discuss the social networking applications of cloud computing.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Explain the architecture of Vmware.

23. Define Cloud. Explain the different types of clouds.

24. Explain Aneka MapReduce Programming.

25. Explain advaced compute services in Amazon web services.

(2×15=30)