QP CODE: 22100895

22100895

Reg No : .....

Name : .....

BCA DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS, APRIL 2022

Sixth Semester

Bachelor of Computer Applications

CORE COURSE - CA6CRT04 - CLOUD COMPUTING

2017 Admission Onwards

74FEF0AF

Time: 3 Hours Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. What are the advantages of cloud computing?
2. List the various cloud computing platforms and technologies.
3. Explain SIMD architecture.
4. What are the advantages of virtualization?
5. What is server virtualization?
6. Differentiate between the different types of Cloud Computing services.
7. Write the advantages of using a private cloud.
8. List the types of services hosted inside the Aneka container.
9. List the services hosted in a storage node.
10. What is Sphere?
11. What is the function of EC2 environment?
12. What is function of web role in Microsoft Azure?

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. Explain the call and return architecture in distributed computing.

14. Explain the role of virtualization in cloud computing.

15. What is hypervisor? Explain the different components of hypervisor.

16. Explain the characteristics of PaaS solutions.

17. Explain the different pricing models for cloud computing.

18. Write a note on Aneka application and service Model.

19. Explain any two NoSQL systems that supports data-intensive computing.

20. Discuss the application of cloud computing in geoscience.

21. Explain Dropbox and iCloud.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. What is Zen? Explain its architecture.

23. Explain Infrastructure-as-a-service reference model.

24. What is data intensive computing? Provide a historical perspective on the most important technologies that supports data-intensive computing.

25. Discuss the different services offered by Google AppEngine.

(2×15=30)