QP CODE: 24000566

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Reg No : .....

Name : .....

BCA DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS, MARCH 2024

Sixth Semester

Bachelor of Computer Applications

CORE COURSE - CA6CRT04 - CLOUD COMPUTING

2017 Admission Onwards

85D2CD01

Time: 3 Hours Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. What is mainframe computing?
2. What is Hadoop?
3. Explain SISD architecture.
4. Explain the use of Xen technology.
5. What is server virtualization?
6. What does the acronym XaaS stands for?
7. List the various application sectors for community clouds.
8. What are the functions of Aneka SDK?
9. What is Data-Intensive computing?
10. What is Apache MongoDB?
11. What is Amazon CloudWatch?
12. What is SQL Azure?

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. Write the advantages cloud computing.
14. What is virtualization and what are its benefits?

15. Write the disadvantages of virtualization.

16. Explain the different pricing models for cloud computing.

17. Write a note on the various open challenges in cloud computing.

18. Write the function and services of master node and worker node in Aneka cloud.

19. Explain the working of MapReduce Programming model.

20. Discuss the development technologies currently supported by AppEngine.

21. Discuss how cloud computing technology can be used for protein structure prediction.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Explain the architecture of Microsoft Hyper-V. Discuss its use in cloud computing and infrastructure management.

23. Explain in detail the cloud computing reference models.

24. Explain in detail the various services installed in the Aneka container.

25. Discuss the different business and consumer applications of cloud computing.

(2×15=30)