BCA DEGREE (CBCS) REGULAR / REAPPEARANCE / MERCY CHANCE EXAMINATIONS, FEBRUARY 2025

Sixth Semester

Bachelor of Computer Applications

CORE COURSE - CA6CRT04 - CLOUD COMPUTING

2017 Admission Onwards

7B9C7022

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. Define virtualization.

2. What is parallel processing?

3. What is Publish-and-subscribe message model?

4. What do you mean by server consolidation?

5. What is the use of child partition in Microsoft Hyper-V architecture?

6. Differentiate between PaaS-I and PaaS-III.

7. What do you mean by a Heterogeneous Cloud?

8. Write a note on foundation services in Aneka container.

9. What is Data-Intensive computing?

10. What is Aneka MapReduce Programming Model?

11. What is AWS Elastic Beanstalk?

12. What is DataStore in AppEngine?

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. Write short note on Manjrasoft Aneka.

14. Write the disadvantages of virtualization.

15. Explain Xen architecture.

16. Briefly explain the different types of applications provided by SaaS.

17. Explain the different pricing models for cloud computing.

18. Write a note on the public cloud deployment mode of Aneka Cloud.

19. Write a note on Aneka management tools.

20. What is a role in Microsoft Azure? Explain the different roles available.

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. Write about the various virtualization solutions offered by Vmware.

23. What is Coud Computing? Explain its architecture with a neat diagram.

24. Describe the important storage technologies that support data-intensive computing.

25. Discuss the different scientific applications of cloud computing.

(2×15=30)