BCA DEGREE (CBCS) EXAMINATION, APRIL 2021

Sixth Semester

Bachelor of Computer Applications

CORE - CA6CRT04 - CLOUD COMPUTING

2017 Admission Onwards

AEA83604

Time: 3 Hours   Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. What is service-oriented computing?

2. What is object-oriented style of architecture?

3. What is point-to-point message model?

4. What do you mean by server consolidation?

5. What is paravirtualization?

6. What is Pure PaaS?

7. Mention the different pricing strategies in Cloud Computing.

8. List the services hosted in a master node.

9. List the open challenges in data-intensive computing.

10. What is Amazon Dynamo?

11. What is Amazon Virtual Private Cloud?

12. What is blobs?

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. Explain Cloud Computing? What are the characteristics of Cloud Computing?

14. Write the advantages of virtualization.

15. Explain VMware full virtualization reference model.

16. Explain the different layers of IaaS solution.

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

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

19. Explain some of the variations or extensions to MapReduce.

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

21. Discuss the media applications of cloud computing.

(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. What is a cloud? Write a note on types of clouds.

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

25. Discuss the different services offered by Google AppEngine.

(2×15=30)