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# **BCA DEGREE (CBCS) EXAMINATION, MARCH 2020**

## **Sixth Semester**

Bachelor of Computer Application

## Core course - CA6CRT04 - CLOUD COMPUTING

2017 Admission Onwards

#### C3EFF75E

Time: 3 Hours Maximum Marks :80

#### Part A

Answer any ten questions.

Each question carries 2 marks.

- 1. What is utitility-oriented computing?
- 2. What is parallel processing?
- 3. What is request-reply message model?
- 4. Explain the use of Xen technology.
- 5. What do you mean by full virtualization?
- 6. What is SaaS?
- 7. Give some examples of SaaS solutions.
- 8. What features are provided by the Aneka management tools?
- 9. Mention different applications domains where data-intensive computing is used.
- 10. What is distributed file systems? Give two examples.
- 11. What is Amazon Elastic Block Store (EBS)?
- 12. What is Dropbox?

 $(10 \times 2 = 20)$ 

## Part B

Answer any six questions.

Each question carries 5 marks.

- 13. Differentiate between component and connectors.
- 14. Explain the role of virtualization in cloud computing.



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- 15. Explain Microsoft Hyper-V architecture.
- 16. Compare the different classifications of PaaS implementations.
- 17. Differentiate between private cloud and community cloud.
- 18. Write a note on the programming models supported by Aneka.
- 19. Write a note on the hybrid cloud deployment mode of Aneka Cloud.
- 20. Discuss the application services offered by Google AppEngine.
- 21. Describe an application of cloud computing technology in the field of biology.

 $(6 \times 5 = 30)$ 

#### Part C

Answer any two questions.

Each question carries 15 marks.

- 22. What is virtualization? Explain in detail the pros and cons of virtualization.
- 23. Explain Infrastructure-as-a-service reference model.
- 24. Describe the important programming platforms technologies that support data-intensive computing.
- 25. Discuss the different services offered by Microsoft Azure.

 $(2 \times 15 = 30)$ 

