

Roll No



**PRESIDENCY UNIVERSITY  
BENGALURU**

**SCHOOL OF INFORMATION SCIENCE  
END TERM EXAMINATION - JAN 2023**

**Semester :** Semester V - 2020

**Course Code :** BCA3048

**Course Name :** Sem V - BCA3048 - Cloud Storage and Applications

**Program :** BCA

**Date :** 9-JAN-2023

**Time :** 9.30AM - 12.30PM

**Max Marks :** 100

**Weightage :** 50%

**Instructions:**

- (i) Read all questions carefully and answer accordingly.
- (ii) Question paper consists of 3 parts.
- (iii) Scientific and non-programmable calculator are permitted.

**PART A**

**ANSWER ALL THE FOLLOWING QUESTIONS**

**10 X 2 = 20M**

1. Highlight the importance of the term “cloud computing.”  
(CO1) [Knowledge]
2. Identify the advantages of distributed computing.  
(CO1) [Knowledge]
3. What are the benefits of using a hypervisor for an organization?  
(CO2) [Knowledge]
4. Why are virtualized environments so popular today?  
(CO2) [Knowledge]
5. What are the storage security attributes?  
(CO3) [Knowledge]
6. List the category of storage management activities.  
(CO3) [Knowledge]
7. Why monitor accessibility of different components?  
(CO3) [Knowledge]
8. What is the role of cloud computing in Biology?  
(CO4) [Knowledge]
9. Give some examples of MOG using cloud computing.  
(CO4) [Knowledge]
10. Describe the impact of cloud computing in social networking.  
(CO4) [Knowledge]

## PART B

ANSWER ALL THE FOLLOWING QUESTIONS

5 X 10 = 50M

11. Bring out the differences between private cloud and public cloud.  
(CO1) [Comprehension]
12. Draw the taxonomy of virtual machines and explain it.  
(CO2) [Comprehension]
13. Discuss the components need to be monitored within storage environment.  
(CO3) [Comprehension]
14. Explain the various challenges in the storage infrastructure management.  
(CO3) [Comprehension]
15. Explain how cloud computing technology can be applied to predict the protein structure.  
(CO4) [Comprehension]

## PART C

ANSWER ALL THE FOLLOWING QUESTIONS

2 X 15 = 30M

16. Consider you have to upload a file of around 120 terabytes in Amazon S3. How will you approach the uploading of this file? Write the steps to create and upload a file in amazon S3 service.  
(CO3) [Application]
17. Provide the types of social media platforms and formats that you know in 2022. Discuss the cloud based social media application and compare them.  
(CO4) [Application]

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