

Roll No



**PRESIDENCY UNIVERSITY
BENGALURU**

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

Semester : Semester V - 2020

Course Code : BCA213

Course Name : Sem V - BCA213 - Cloud Computing

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. How web technology is useful in cloud computing
(CO1) [Knowledge]
2. What is grid computing?
(CO1) [Knowledge]
3. Define public cloud.
(CO1) [Knowledge]
4. Define process level virtualization.
(CO2) [Knowledge]
5. What is type 1 hypervisor?
(CO2) [Knowledge]
6. List four advantages of virtualization.
(CO2) [Knowledge]
7. What is pay per use?
(CO3) [Knowledge]
8. State 4 types of cloud storage .
(CO3) [Knowledge]
9. What is replication in cloud computing?
(CO3) [Knowledge]
10. What is EC2?
(CO3) [Knowledge]

PART B

ANSWER ALL THE FOLLOWING QUESTIONS

5 X 10 = 50M

11. Differentiate clustering and grid computing. (CO1) [Comprehension]
12. Explain the Following:
1) OS level virtualization
2) Programming language level virtualization (CO2) [Comprehension]
13. How pay per use monitor can be helpful in cloud computing? Explain with example. (CO3) [Comprehension]
14. How Automated scaling is useful in cloud. Explain by taking an example. (CO3) [Comprehension]
15. List and explain the features and services provided by Google App Engine. (CO4) [Comprehension]

PART C

ANSWER ALL THE FOLLOWING QUESTIONS

2 X 15 = 30M

16. What is the use of allocator in VMM? (CO2) [Application]
17. Explain the following cloud mechanisms:
i) Virtual Server
ii) Cloud Usage Monitor (CO3) [Application]
