PRESIDENCY UNIVERSITY
BENGALURU

SCHOOL OF INFORMATION SCIENCE

Make Up Examinations – December 2025

Semester: MK

Course Code: BCA213

Course Name: Cloud Computing

Department: School of Information Science

Date: 26 – 12- 2025

Time: 1.00pm to 04.00pm

Max Marks: 100

Weightage: 50%

Instructions:
(i)   Read the all questions carefully and answer accordingly.
(ii) Do not write any matter on the question paper other than roll number.

PART A

Answer any <u>SIX</u> Questions. Each question carries 10 marks.   (6Qx 10M= 60M)

1. Give the names of some popular software-as-a-service solutions. (CO1 , L2)

2.   Compare grid computing vs cloud computing. (CO1, L3)

3. Elaborate about on-demand and dynamic scaling solution using cloud. (CO3, L2)

4. Explain the hardware virtualization techniques? (CO2, L2)

5. Analyze the Confidentiality areas where the cloud security facing the challenges. (CO4, L3)

6. Draw the cloud software security components used in software requirement engineering. (CO4, L2)

7. List and explain various storage models of file systems and data base? (CO3, L2)

8. What is SOA? Discuss with architecture how two software communicate using SOA. (CO3, L2)

PART B

Answer any <u>TWO</u> Questions. Each question carries 20 marks.   (2Qx 20M= 40M)

1. Nitin plans to virtualize his company resources based on different levels of virtualization. Help him by explaining the virtualization at different level with neat sketch.   (CO2, L3)

2. Discuss how to develop cloud applications? using following platforms Amazon web services (AWS), Google AppEngine, Microsoft Azure. (CO1, L3)

3. Discuss in detail about Cloud Information Security Objectives with respect to Confidentiality, Integrity and Availability (CO4, L2)