

BACHELOR OF COMPUTER APPLICATION Examination
BCA SEMESTER-6 MARCH 2026 (NEP) MARCH - 2026
CS - 39 INTRODUCTION OF CLOUD COMPUTING

Faculty Code : 03

Subject Code : 23SI-BCAP-AE-06-05001

Time : (1 Hour)

(Total Marks : 25)

Q.1 Attempt any two of the following.

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- (1) Trace the evolution of Cloud Computing from early distributed systems and grid computing to the modern cloud era.
- (2) Discuss the primary benefits and the significant barriers of adopting cloud technology.
- (3) Provide a detailed explanation of the SPI service models.
- (4) Compare and contrast Cloud Computing and Cluster Computing, highlighting differences in resource management and architecture.

Q.2 Attempt any two of the following.

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- (1) Define SLAs and explain their critical role in defining the relationship and expectations between a cloud provider and a user.
- (2) Analyze the factors that contribute to Quality of Service in a cloud environment and why it is essential for enterprise applications.
- (3) Discuss the challenges and best practices for managing data in a distributed cloud infrastructure.
- (4) Analyze the major security and privacy concerns in the cloud and the strategies employed to protect sensitive user data.

Q.3 Attempt any one of the following.

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- (1) Examine various Cloud Services and how they are customized to meet different industry-specific needs.
- (2) Using a Case Study approach, explain how a business can successfully implement cloud solutions to solve real-world technical challenges.

::: END OF EXAM :::