

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- 2024

B.Tech-8th Semester (CSE/IT)

COURSE CODE (CREDITS): 19B1WCI835 (3)

MAX. MARKS: 15

COURSE NAME: Cloud Computing Security

COURSE INSTRUCTORS: Dr Pankaj Dhiman

MAX. TIME: 1 Hour

Note: (a) All questions are compulsory.

(b) Marks are indicated against each question in square brackets.

(c) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems

Q1. What are the architectural influences of cloud computing, and how do they differ from traditional computing models. [CO-1] [3 Marks]

Q2. Discuss the security concerns related to cloud computing and the measures that can be implemented to enhance cloud security. [CO-2] [3 Marks]

Q3. How do cloud computing technologies facilitate resource pooling and resource isolation in a multi-tenant environment? [CO-1] [3 Marks]

Q4. Define the four main cloud deployment models (Public, Private, Community, and Hybrid) and provide examples of scenarios where each is most suitable. [CO-1] [3 Marks]

Q5. How does end-to-end access control contribute to the overall security posture in cloud computing, and what are the key components of effective access control mechanisms?

[CO-2] [3 Marks]