JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
TEST -3 EXAMINATIONS-2022
B.Tech-VIII Semester (CS/IT)

COURSE CODE (CREDITS): 19B1WCI835(4)

MAX. MARKS: 35

COURSE NAME: Cloud Computing Security

COURSE INSTRUCTORS: Dr.Rajni Mohana

MAX. TIME: 2 Hours

Note: All questions are compulsory. Marks are indicated against each question in square brackets..

Q1. What are the security risks of cloud computing that my organization needs to prepare for while migrating to the Cloud? [Marks 5]

Q2. How can we effectively implement a cloud security strategy? [Marks 5]

Q3. Why is IAM so important for cloud computing? [Marks 5]

Q4. What are the Types of User Authentication ? Explain [Marks 5]

Q5. Characterize the following three cloud computing models: [Marks 2*5=10]

(a) What is an IaaS (Infrastructure-as-a-Service) cloud? Give one example system.

(b) What is a PaaS (Platform-as-a-Service) cloud? Give one example system.

(c) What is a SaaS (Software-as-a-Service) cloud? Give one example system.

(d) Define cloud computing as per National Institute of Standards and Technology.

(e) Explain about Amazon Web Services.

Q6. Explain OS Hardening and its Best Practices [Marks 5]