JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- 2023

B.Tech-V Semester (CSE/IT/ECM)

COURSE CODE (CREDITS): 20B1WCI532   MAX. MARKS: 15

COURSE NAME: Cloud Computing: Concepts, Technology & Architecture

COURSE INSTRUCTORS: ARV   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

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1. Provide a concise explanation for the cloud service model to which the following items belong: **[2 Marks][CO-1]**
   i. Online compilers
   ii. OTT Platforms

2. A company is concerned about data security and regulatory compliance. Which cloud deployment model would you recommend, and why?   **[2 Marks][CO-1]**

3. Discuss the various layers of cloud computing architecture.   **[3 Marks][CO-1]**

4. Identify and explain the various deployment models of cloud computing outlined by NIST. Provide a scenario where a hybrid cloud deployment would be advantageous for an organization.   **[3 Marks][CO-2]**

5. What are the various essential actors of cloud computing architecture, as defined by the NIST Cloud Computing Reference Model? Provide a brief description including usage scenarios of each actor.   **[5 Marks][CO-2]**