

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2 EXAMINATIONS-2022

B.Tech-V Semester (CS/IT)

COURSE CODE (CREDITS): 20B1WCI532 (3)

MAX. MARKS: 25

COURSE NAME: Cloud Computing: Concepts, Technology & Architecture

COURSE INSTRUCTORS: Dr. Rajni Mohana/Mr. Arvind

MAX. TIME: 1 Hour and 30 Minutes

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

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Q1. (a) Describe Amazon EC2 and its Features? [CO1, CO2, CO3] [2+2+1= 5 Marks]

(b) How is abstraction different from virtualization?

(c) Difference between elasticity and scalability in cloud computing

Q2. (a) What fundamental advantages does cloud computing technology bring to scientific applications? [CO1, CO3, CO4] [3+2= 5 Marks]

(b) Differentiate Cloud Computing and Internet

Q3. What is virtualization in cloud computing? Outline the characteristics of server virtualization and application virtualization? Explain various types of virtualization [CO1, CO2, CO4] [1+2+2= 5 Marks]

Q4. Discuss, in detail, the cloud security reference model and explain how cloud security is integrated into the design of application. [CO1, CO2] [5 Marks]

Q5. Explain with diagram different junctures at which virtualization can take place. [CO2, CO3] [2 Marks]

Q6. Draw Hyper V high Level architecture [CO2, CO3] [3 Marks]