

May, 2018

SHAHEED BHAGAT SINGH STATE TECHNICAL CAMPUS, FEROZEPUR

2018 batch onwards

ROLL No:

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Total number of pages: [1]

B.Tech. || CSE || 8<sup>th</sup> Sem

Cloud Computing

Subject Code: BTCS-912 (RG)

Paper ID:

Reg / Reappear

Time allowed: 3 Hrs

Max. Marks: 60

Important Instructions:

- All questions are compulsory
- Assume any missing data

**PART A (10×2marks)**

Q. 1. Short-Answer Questions:

- Define Cloud.
- Explain Scalability in cloud computing.
- Explain concept of Elasticity in cloud computing?
- Explain Hybrid clouds?
- Give examples of SaaS and PaaS?
- Explain Community clouds.
- How Encryption can make cloud computing more secure?
- What are digital signatures?
- How data loss can be recovered in cloud environment.
- What are different security measures deployed in cloud environment?

**PART B (5×8marks)**

Q. 2. What are different advantages and disadvantages of Cloud Computing?

OR

Explain Virtualization. How is it used as an underlying technology in cloud computing?

CO1

Q. 3. Explain cloud service model architecture.

OR

Explain with an example different service models. What are the factors which influence the choice of different service model of cloud for a business.

CO2

Q. 4. Give commercial examples of SaaS and PaaS.

OR

Explain Cloud management reference architecture. What is role of cloud broker in cloud?

CO3

Q. 5. What are measures which can be taken to reduce security breaches in cloud?

OR

How privacy restrictions are applied in cloud? What could be potential threat if privacy is compromised in cloud?

CO4

Q. 6. What factors an IT consultant should consider before recommending an appropriate cloud computing solution. Give an appropriate example.

OR

Compare IBM, Google, Microsoft and Amazon as cloud service provider and discuss their offerings.

CO5