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**SHAHEED BHAGAT SINGH STATE TECHNICAL CAMPUS,  
FEROZEPUR**

**ROLL NO :**

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**Total number of pages:[2]**

**Total number of questions: 06**

**B-Tech. CSE/ 8<sup>th</sup> Sem  
Cloud Computing  
Subject Code: BTCS-912  
Paper ID: \_\_\_\_\_**

**Time allowed: 3 Hrs**

**Max Marks: 60**

**Important Instructions:**

- All questions are compulsory
- Assume any missing data

**Part-A (2×10)**

**Q1) Answer in brief:**

- (a) What is Virtualization?
- (b) Explain the use of Big Data?
- (c) Define Hybrid Cloud?
- (d) Explain the key role of SSL?
- (e) Explain the use of APIs in Cloud services?
- (f) Differentiate between SaaS and PaaS?
- (g) Explain the use of Google Cloud Platform?
- (h) What is Digital Signature?
- (i) Define Load Balancing in Cloud Computing?
- (j) What are various advantages of Cloud Services?

**Part-B (8×5)**

**Q2) What is Cloud Computing? Explain its various uses and characteristics in detail? (CO1)**

**OR**

**What are security concerns in Cloud Computing? Explain various steps to reduce Cloud Security breaches? (CO1)**

Q3) Explain the architecture of Cloud Service Delivery model in detail? (CO2)

OR

Explain various applications of SaaS and PaaS in detail? (CO2)

Q4) Explain various benefits of Virtualization in Cloud Computing? (CO3)  
Differentiate between KVM and XEN Hypervisor?

OR

Explain various risks from Multi-tenancy Environment. How IDS can be used in Cloud Environment? (CO3)

Q5) What are the selection criteria for Cloud deployment? Explain various Cloud Deployment Models and compare them? (CO4)

OR

Differentiate between Symmetric and Asymmetric Encryption techniques? (CO4)

Q6) Explain various Amazon Cloud web services in detail? (CO5)

OR

Differentiate between Google Cloud platform and Window Azure platform? (CO5)

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