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**T.Y.B.Sc. (Comp. Sci.) (Sem. VI) Examination September - 2023**

**Computer Science - Paper VI**

**601 - Cloud Computing Fundamentals**

**Time: 2 Hours ]**

**[ Total Marks: 50**

**सूचना : / Instructions**

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नीचे दशविवेक निशानीवाणी विगतो उत्तरवली पर अवश्य लपववी.  
**Fill up strictly the details of signs on your answer book**

Name of the Examination:

T.Y.B.Sc. (Comp. Sci.) (Sem. VI)

Name of the Subject :

Computer Science - Paper VI 601 - Cloud Computing Fundamentals

Subject Code No.: 2111000306020081

Seat No.:

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Student's Signature

**Q-1. Answer the following questions in short. (Any Seven)**

**[14]**

1. Which components are part of cloud technology?
2. What do you mean by Service Level Agreement(SLA)?
3. Define term "Virtualization".
4. Explain PaaS in context of software development requirements or benefits for it.
5. State advantages of public cloud model in brief.
6. Discuss any two application examples of SaaS and their demerits.
7. What is service diversification in context of cloud technology?
8. What is the role of data-security in cloud environment?
9. List advantages of Service oriented architecture?
10. Define the terms cloud service provider and cloud service consumer.

**Q.2. Write answers the followings in details.**

**[12]**

1. Discuss the roles and responsibilities of cloud service provider.
2. Explain cloud computing architecture in detail.

**OR**

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**[ 1 ]**

**[ P.T.O. ]**

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1. How does virtualization work in cloud computing?
2. Discuss performance issues in cloud computing services.

**Q.3. Write answers for the followings. [12]**

1. What does PaaS provides? Explain any application use case of PaaS with its advantages.
2. Discuss performance challenges of cloud services in context of use perspective.

**OR**

1. What is hybrid cloud? Explain its advantages and disadvantages.
2. Write detail notes on hybrid cloud and its application; also discuss its merit and demerits.

**Q.4. Write answers for the followings. [12]**

1. Explain service oriented architecture in detail.
2. Write a note on - Legal issues in cloud computing service provision.

**OR**

1. What are the Security Risks of Cloud Computing? How they can be prevented
  2. Write a note on functions of data centre in cloud computing services.
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