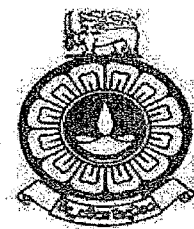


*Sample*

**THE OPEN UNIVERSITY OF SRI LANKA**  
**B.SC. IT DEGREE PROGRAMME – 2023/2024**  
**DEPARTMENT OF COMPUTER SCIENCE**  
**COU5301 – CLOUD COMPUTING**  
**FINAL EXAMINATION 2023/2024**  
**DURATION: TWO HOURS ONLY (2 HOURS)**



Date: 16.12.2024

Time: 01.30 p.m. – 03.30 p.m.

**ANSWER FOUR (4) QUESTIONS ONLY.**

(1)

- i. Briefly describe the term 'Cloud Computing'.
- ii. Explain two (2) limitations of traditional computing approaches over cloud computing.
- iii. Computing facilities can be segmented into three (3) categories. What are they?
- iv. Describe five (5) benefits of cloud computing.

(25 marks)

(2)

- i. Mention four (4) features of public cloud.
- ii. Draw the Software as a Service (SaaS) component stack.
- iii. Development of a SaaS application consists of ten (10) steps. What are they?
- iv. Mention five (5) questions that you should consider when choosing a SaaS integration strategy.

(25 marks)

(3)

- i. Mention five (5) key roles in a SaaS marketing team structure.
- ii. Why do you need specialized teams to manage your SaaS business ?
- iii. Compare the difference between SaaS products and web applications by considering three (3) key points.
- iv. Explain four (4) risks of SaaS platforms.

(25 marks)

(4)

- i. Give five (5) examples for PaaS (platform as a service) products
- ii. Mention three (3) characteristics of PaaS.
- iii. Explain two (2) advantages and two (2) disadvantages of PaaS products.
- iv. Describe (3) best practices that companies can use when implementing a PaaS product.

(25 marks)

(5)

- i. Define the term 'Cloud Database'
- ii. Briefly describe three (3) advantages of using cloud databases.
- iii. Briefly define the characteristics of Infrastructure as a Service (IaaS).
- iv. Compare SaaS , PaaS and IaaS under any three(3) key points.

(25 marks)

(6)

- i. What is mean by 'cloud migration' ?
- ii. Explain three (3) risks of cloud security.
- iii. What is the importance of having disaster recovery strategies in cloud environments ?
- iv. Mention four (4) key features of mobile computing.

(25 marks)

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