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**PRESIDENCY UNIVERSITY  
BENGALURU**

**SCHOOL OF ENGINEERING  
MID TERM EXAMINATION - OCT 2023**

**Semester :** Semester V - 2021

**Course Code :** CSE3095

**Course Name :** Sem V - CSE3095 - Cloud Security

**Program :** B. TECH

**Date :** 2-NOV-2023

**Time :** 9:30AM - 11:00AM

**Max Marks :** 50

**Weightage :** 25%

**Instructions:**

- (i) Read all questions carefully and answer accordingly.
- (ii) Question paper consists of 3 parts.
- (iii) Scientific and non-programmable calculator are permitted.
- (iv) Do not write any information on the question paper other than Roll Number.

**PART A**

**ANSWER ALL THE QUESTIONS**

**(5 X 2 = 10M)**

1. **Define** on-demand functionality. How is it provided in cloud computing?  
(CO1) [Knowledge]
2. List and explain in brief three types of roles in Microsoft Azure  
(CO1) [Knowledge]
3. **State** cloud computing. What are the Characteristics and benefits of cloud computing?  
(CO1) [Knowledge]
4. Explain the main tasks of a CSIRT.  
(CO2) [Knowledge]
5. Classify four basic types of tokens.  
(CO2) [Knowledge]

**PART B**

**ANSWER ALL THE QUESTIONS**

**(4 X 5 = 20M)**

6. Describe the Core technologies enabling the provisioning of cloud services.  
(CO1) [Comprehension]
7. Compare SPI Framework and traditional IT model  
(CO1) [Comprehension]
8. Describe the reason behind rogue hypervisors.  
(CO2) [Comprehension]

9. Explain PKI with a neat diagram.

(CO2) [Comprehension]

**PART C**

**ANSWER THE FOLLOWING QUESTION**

**(1 X 20 = 20M)**

10. a) Explain different types of cloud security management controls.(5M)  
b) Describe in detail the steps involved in establishing a classification system.(5M)  
c) Explain Remote Access VPN with a neat diagram.(5M)  
d) Explain the components of key management in cloud security architecture.(5M)

(CO2) [Application]