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**PRESIDENCY UNIVERSITY
BENGALURU**

SET-A

**SCHOOL OF ENGINEERING
END TERM EXAMINATION –MAY/JUNE 2024**

Semester : Semester VI - B.Tech CSE - 2021

Date : JUNE 6-2024

Course Code : CSE3052

Time : 1:00 PM -4:00 PM

Course Name : System Provisioning and Configuration

Max Marks :100

Program : B.Tech. Computer Science and Engineering

Weightage : 50%

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- Note:** 1. Answer ALL 5 FULL Questions.
2. Each Full Question carries 20 Marks
3. Scientific and non-programmable calculator are permitted.
4. Do not write any information on the question paper other than Roll Number.

- 1.a. Types of Static Testing Reviews: Enumerate them [Knowledge] (C01) (04 Marks)
- 1.b. Outline the difficulties of IAC testing. [Comprehension] (C01) (06 Marks)
- 1.c. What are the different software to implement the best software testing tools? [Application] (C01) (10 Marks)
- OR**
- 2.a. Enumerate the uses for ATE. [Knowledge] (C01) (04 Marks)
- 2.b. Use an illustration to clarify the best test Machine in Automation. [Comprehension] (C01) (06 Marks)
- 2.c. Illustrate the IAC Testing Tools. Relate IAC equipment with different equipment. [Application] (C01) (10 Marks)
- 3.a. Is an organization eligible for automatic provisioning? Name any two automated provisioning features [Knowledge] (C02) (04 Marks)
- 3.b. Explain extraordinary styles of trying out for infrastructure as code [Comprehension] (C02) (06 Marks)
- 3.c. Demonstrate the virtualization for Data Centre Automation [Application] (C02) (10 Marks)

OR

- 4.a. IAC: What is it? Name any two advantages **[Knowledge]** (C02) (04 Marks)
- 4.b. Demonstrate extraordinary styles of cloud provisioning **[Comprehension]** (C02) (06 Marks)
- 4.c. Sketch the EC2 Infrastructure Concepts **[Application]** (C02) (10 Marks)
- 5.a. What are the different types of Configuration Management tools? **[Knowledge]** (C03) (04 Marks)
- 5.b. Classify if don't use configuration Management. **[Comprehension]** (C03) (06 Marks)
- 5.c. Construct the Google Cloud Automation Tool. **[Application]** (C03) (10 Marks)
- OR**
- 6.a. What is Node History and Export History? **[Knowledge]** (C03) (04 Marks)
- 6.b. Demonstrate the Cloud Automation Ansible Tool. **[Comprehension]** (C03) (06 Marks)
- 6.c. Identify the different levels of Change Tracking for configuration Management. **[Application]** (C03) (10 Marks)
- 7.a. What are the key concepts of Terraform Applications? **[Knowledge]** (C04) (04 Marks)
- 7.b. Explain the Loop over nested modules **[Comprehension]** (C04) (06 Marks)
- 7.c. Utilize the Terraform commands in input variables and output variables **[Application]** (C04) (10 Marks)
- OR**
- 8.a. What is Terraform? Explain **[Knowledge]** (C04) (04 Marks)
- 8.b. Illustrate the Terraform Modules **[Comprehension]** (C04) (06 Marks)
- 8.c. Apply the different types of key concepts in Terraform Automation **[Application]** (C04) (10 Marks)
- 9.a. List the best practice of Configuration Management **[Knowledge]** (C03) (04 Marks)
- 9.b. Explain Amazon Web Service Cloud Automation Tool. **[Comprehension]** (C03) (06 Marks)
- 9.c. Organize the different types of cloud Automation Tools. **[Application]** (C03) (10 Marks)
- Or**
- 10.a. List the best practices of using Terraform **[Knowledge]** (C03) (04 Marks)
- 10.b. Explain in detail TCL **[Comprehension]** (C03) (06 Marks)
- 10.c. Demonstrate the concepts of Terraform Automation **[Application]** (C03) (10 Marks)