

MST-II (December-2022)**B. Tech (CSE with DevOps) VII Semester****Subject Code:** CDV 4001**Duration:** 90 min**Subject Name:** System Provisioning and Configuration Management incl more focus on cloud/Puppet/chef/cloud agnostic(terraform)**Max. Marks:** 50**Note:** Question Paper consists of two parts (Part-A and Part-B).

All Questions are compulsory in Part-A.

Answer any THREE Questions from Part-B

PART A:(10*2)

S.No.	Question(s)	Course Learning Outcome
1.	What is Provisioning on Cloud?	CLO2
2	List the different types of Deployment Model.	CLO2
3	Explain the life cycle of Provisioning on Cloud.	CLO2
4	Give the applications of Code Scanner.	CLO2
5	What is Cloud Migration?	CLO2
6	What is the state of various tools in Provisioning and Configuration?	CLO3
7	What are the benefits of Continuous Integration?	CLO2
8	How Monitoring Supports DevOps?	CLO2
9	Explain about tracking of changes.	CLO2
10	Give the advantages of Infrastructure as Code.	CLO3

PART B:(10*3)

S.No.	Question(s)(with Marks)	Course Learning Outcome
1	What is Cloud Automation? Explain the benefits of Cloud Automation and its usage. (2+4+4 marks)	CLO2
2	a. What are Microservices? And how does it work? (5 marks) b. Explain AKS and EKS. Also explain their benefits. (5 marks)	CLO2
3	What is Configuration Management? Why it is important? List the benefits of CM. (3+3+4 Marks)	CLO3
4	a. List the reasons for using provisioning and configuration tools. b. What are area of concern in DevOps to prevent errors.(5+5 marks)	CLO3