



KONERU LAKSHMAIAH EDUCATION FOUNDATION
 (Deemed to be University, Estd. u/s. 3 of UGC Act 1956)

B.Tech - Even Sem : End Semester Exam
 Academic Year:2021-2022

19CS3256A - CONTINUOUS DELIVERY & DEVOPS
 Set No: 4

Max.Marks: 100

Time:		Choice	Options	Marks	CO	CO BTL	COI BTL
S.NO	Answer All Questions						
1.	Explain the sequence of steps in Git Workflow, Github actions	choice Q-2		10Marks	CO1	2	1
2.	Describe how DevOps helps in overcoming challenges faced in traditional approach			10Marks	CO1	2	2
3.	Relate Devops Engineers duty with regards to agile development with a neat diagram	choice Q-4		15Marks	CO1	2	2
4.	a. Illustrate the steps to build a java project using jenkins b. Identify the steps to deploy the files in Bitbucket via Git			15Marks	CO1	2	2
5.	Explain in detail about chef architecture	choice Q-6		10Marks	CO2	3	1
6.	Discuss the role of maven tool in software development and explain the phases in detail.			10Marks	CO2	3	1
7.	Develop the procedure for creating a job in Jenkins and how to use CI/CD pipelines for building a project	choice Q-8		15Marks	CO2	3	2
8.	Demonstrate the process of Automated testing using cucumber with examples			15Marks	CO2	3	3
9.	Examine how an application deployment takes place using Kubernetes on windows	choice Q-10		10Marks	CO3	4	2
10.	Explain the process of Creating An Account In Docker Hub and Docker Toolbox Installation, Working with Docker Images			10Marks	CO3	4	3
11.	a. Construct the steps for installation of Kubernetes for the simplify software development process b. construct the steps that are included to merge a Java program to Any cloud Platform such as AWS/Azure	choice Q-12		15Marks	CO3	4	3
12.	a. List out the three main components of chef installation. b. Outline the importance of docker over virtual machines			15Marks	CO3	4	3
13.	Explain the process of monitoring a webapp using Datadog	choice Q-14		10Marks	CO4	4	2
14.	a. Describe the Cloud computing characteristics b. Why do we need continuous monitoring in DevOps			10Marks	CO4	4	2
15.	Inspect the Ansible Configuration Management tool and Sketch the Ansible Architecture	choice Q-16		15Marks	CO4	4	3
16.	Explain grafana dash board in detail			15Marks	CO4	4	3

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