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**DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS**

**MCAE54: DevOps**

1. Briefly Explain the Core values and Principles of Agile Manifesto.
2. What is DevOps? Compare and contrast between DevOps and Agile Methodology.
3. Explain the DevOps Lifecycle or various stages of DevOps life cycle with neat diagram also mention tools used in each stages.
4. What is version control? Why Version Control system is so Important? Differentiate between Centralized Version Control System and Distributed Version Control System
5. Explain the purpose of following Git commands with Syntax

git config git status git add git commit

git push git pull git fetch git clone

git merge git rebase

1. What are the three ways of importing remote repository into local machine through GitBash. Explain briefly
2. What is branching? Why branching is required? Explain how to Create branch and merge branch.
3. What is merge conflict in git and explain how to resolve it?
4. Differentiate between
5. Git and GitHub