Date / /

ASSEGNMENT
Dues l'Uhat is Dev Ops a major requirement in Today!s
Ocenario?
April 1 Suspense the shood and stability of software
And I Emprove the speed and stability of software Development and Deployment:
It is found that top-performing Derops organisation
do fede better on software. Due to development
deployment speed and stability at much faster
state which includes faster software releases
optimized process, enhanced thust and ability
to justomens,
- 10 auxinition,
2 They are Azile: - Agile releas to the laster
a They are Agile: - Agile refers to the faster delivery of the product. It guaranteed the problem are fining at every stage or phases righter than finding problem after the product
proplem are fixing at every stage or phases
righer than finding problem after the product
market with atmost quality and security
market with atmost gudlity and security
Ral 1 Microsoft Costa - Problemanting David.
3 Reduced Overall Costs - Emplementing Devops
methodology reduces overall operational costs and & I staff requirements due to better productivity from staff and optimal resource utilisation.
les on stall and obtimal resource utilisation.



Ques Explain the Devops tool in detail. Derops Tool is an application that helps automote the software development process. It mainly purses on the communication and collaboration between product management, software development, and openations lugersion. L Version Control Pool: Git (bitlab, Gitflub, BitBucket)

=) Git is a distributed sersion control system for

tracking of a large in little little tracking of changes in computer files. Build Gool: Kubernetes, Docker, Maven

These are important tools in DevOps for building projects.
It eases the build and manitoring process through automation and maintains, a uniform build process.

Kubernetes and Docker are container platform. Most popular software for CE/CD is Jenkins

Jenkins is an open-source Java based automated. also be deployed on cloud based platform, U CM (configuration Management Pool). Ansible

It refers to maintainance and control of the component

Of large complex system. Ansible is an open-source mation and maintainence. Other mample includes Puffet and