

<b>GANPAT UNIVERSITY</b>			
<b>FACULTY OF COMPUTER APPLICATIONS</b>			
<b>Program</b>	MCA	<b>Branch/ Spec.</b>	Computer Application
<b>Semester</b>	III	<b>Assignment</b>	2 (from Unit 2)
<b>Subject Code</b>	P13A3DOP	<b>Subject Name</b>	DevOps
<b>Submission Date</b>	10-OCT-2024	<b>Attempt</b>	Any 7 Questions

## Unit II

1. What is Jenkins?
2. Discuss features of Jenkins.
3. Show Jenkins pipeline construction process.

Ans: <https://www.jenkins.io/doc/pipeline/tour/hello-world/>

4. Explain the significance of scheduling build jobs in Jenkins.
5. How can Jenkins be configured to adjust to different project requirements?

Ans: <https://www.jenkins.io/doc/book/pipeline/getting-started/>

6. How does Jenkins contribute to the Continuous Integration (CI) process?

Ans: <https://www.guru99.com/jenkin-continuous-integration.html>

7. Demonstrate the scheduling of Jenkins build jobs.

Ans: <https://qaautomation.expert/2023/09/27/how-to-schedule-a-jenkins-job/>

8. Why is scheduling of build jobs an important feature in Jenkins?
9. What role does Jenkins play in the Continuous Deployment pipeline?  
[https://www.tutorialspoint.com/jenkins/jenkins\\_continuous\\_deployment.htm](https://www.tutorialspoint.com/jenkins/jenkins_continuous_deployment.htm)

10. Explain the steps to configure Jenkins as docker container.

Ans: <https://www.jenkins.io/doc/book/installing/docker/>

11. How can Jenkins be configured to meet different project requirements?  
Explain with some examples of configurations.

12. Discuss Jenkins's web-based interface and describe various aspects that can be managed using this interface.

Ans: <https://www.techtarget.com/searchsoftwarequality/definition/Jenkins>

13. Why scheduling of jobs is a crucial feature of Jenkins?

Ans: <https://www.cloudbees.com/blog/how-to-schedule-a-jenkins-job>

14. Discuss how Jenkins fit into the broader CI/CD (Continuous Integration and Continuous Deployment) pipeline?

Ans: <https://phoenixnap.com/kb/what-is-jenkins#:~:text=Jenkins%20is%20a%20platform%20for,when%20developing%20and%20deploying%20programs>.