

**Department of Computer Science and Engineering**

**III B.Tech I Semester – CSE**

**DevOps (23CS503)**

**Unit Wise Question Bank**

**Academic Year: 2026-27 | Regulation: NR23**

**UNIT – V**

**Testing Tools and Deployment**

**Part – A (2 Marks Questions)**

S.No	Question	BTL	CO
1	What is JavaScript Testing?	L1	CO5
2	What are different tools used for Backend Testing?	L1	CO5
3	Explain TDD vs Traditional Testing.	L2	CO5
4	What is Acceptance TDD and Developer TDD?	L1	CO5
5	What is REPL Driven Development?	L1	CO5
6	Why are there many different Deployment Systems?	L2	CO5
7	What is Virtualization of the Stack?	L1	CO5
8	Define Jenkins.	L1	CO5
9	Explain sample application using Jenkins and Unit Testing.	L3	CO5
10	What is Unit Testing?	L2	CO5

**Part –B (5 Marks Questions)**

S.No	Question	BTL	CO
1	What is Testing? Explain different types of Testing.	L1	CO5
2	Explain the pros and cons of Testing.	L2	CO5
3	What is Selenium? Explain its features.	L3	CO5
4	Explain Backend Integration Points and Validation.	L2	CO5
5	Explain advantages and disadvantages of Backend Testing.	L1	CO5
6	What is TDD and how is it performed?	L2	CO5
7	Explain: (i) Virtualization Stacks (ii) Automated Integration Testing.	L1	CO5
8	Explain CAMS Automation and Measurement.	L2	CO5
9	Explain: (i) SaltStack (ii) Backend Testing Points.	L1	CO5
10	Discuss Kubernetes using a real-time application.	L3	CO5