Marking Guide – DevOps and Software Testing Mock Exam

1. 01. Answer by True (T) or False (F):  
   a. Git is a version control system – T  
   b. Unit testing is performed after deployment – F  
   c. Continuous Monitoring is part of DevOps – T

Answer: T, F, T

1. 02. Match terms to definitions:  
   A. Repository – 3  
   B. Branch – 2  
   C. Commit – 1

Answer: A-3, B-2, C-1

1. 03. Match DevOps tools:  
   A. Jenkins – 2  
   B. Docker – 3  
   C. Kubernetes – 1

Answer: A-2, B-3, C-1

1. 04. Match Git commands:  
   A. git pull – 2  
   B. git clone – 1  
   C. git push – 3

Answer: A-2, B-1, C-3

1. 05. Match testing types:  
   A. Unit Testing – 2  
   B. UAT – 1  
   C. Integration – 3

Answer: A-2, B-1, C-3

1. 06. Git command to create a branch?

Answer: b. git checkout -b new\_branch

1. 07. First step in CI/CD pipeline?

Answer: c. Code Commit

1. 08. Tool for containerization?

Answer: a. Docker

1. 09. File that defines dependencies in Node.js?

Answer: b. package.json

1. 10. Practice solving deployment inconsistency?

Answer: c. Infrastructure as Code (IaC)

1. 11. Bug after update – which test?

Answer: b. Regression Testing

1. 12. Merge conflict cause?

Answer: a. Divergent changes in the same file

1. 13. Why is version control critical in DevOps?

Answer: It tracks code changes, supports collaboration, and allows rollback.

1. 14. Why automated testing is efficient?

Answer: c. It efficiently handles repetitive tasks and provides fast feedback.

1. 15. CI/CD pipeline stages?

Answer: b. Code Commit → Static Analysis → Build → Tests → Staging → UAT → Production → Monitor

1. 16. Deployment fails after build – investigate?

Answer: b. The integration and deployment scripts

1. 17. Urgent issue in integration testing?

Answer: a. Code dependencies causing module conflicts

1. 18. Assessing automated test success?

Answer: d. By speed of identifying bugs and issues

1. 19. Jenkins vs GitLab CI – critical factor?

Answer: a. Scalability and ease of pipeline management

1. 20. Correct CI/CD pipeline sequence?

Answer: b. Commit → Build → Test → Deploy

1. 21. Best stage to integrate security scan (e.g., Snyk)?

Answer: b. After the build phase and before testing