

Reg. No. _____ Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
SECOND SEMESTER MCA (Second Year Direct) &
FOURTH SEMESTER MCA (Regular) DEGREE EXAMINATION, APRIL 2018
Course Code: RLMCA 202
Course Name: APPLICATION DEVELOPMENT AND MAINTENANCE

Max. Marks: 60

Duration: 3 Hours

PART A

Answer All Questions. Each question carries 3 marks.

1. Specify the commands for configuration of GIT. How we can clone a repository?
2. Define types of testing based on Brian Marick.
3. Define git blame.
4. Explain any two build tools.
5. Define performance, throughput and capacity.
6. How we can create a release strategy?
7. Who is a pragmatic programmer and define his characteristics?
8. Discuss coupling and law of Demeter.

PART B

Answer any one question from each module. Each question carries 6 marks.

MODULE I

9. Define continuous Integration. Explain the essential practices required for continuous Integration.

OR

10. Explain version control and steps for effective use of version control.

MODULE II

11. Explain how we can work with GIT.

OR

12. Explain how can we organize our repository with branches and tags.

MODULE III

13. Explain Deployment pipeline with figure.

OR

14. Explain Commit Stage.

MODULE IV

15. How we can create and maintain effective automated acceptance test?

OR

16. Write short notes on

- Canary Releasing.
- Zero Downtime Release.
- Blue Green Deployment.

MODULE V

17. Explain any four basic tools of pragmatic programmer.

OR

18. Discuss on evils of duplication.

MODULE VI

19. Explain Software testing methods.

OR

20. Write short notes on

- a. Meta programming.
- b. Refactoring.
