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Reg. No._____   Name:_____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
SECOND SEMESTER MCA (LATERAL ENTRY) DEGREE EXAMINATION
APRIL/MAY 2017

RLMCA 202: APPLICATION DEVELOPMENT&MAINTENENCE

Max. Marks: 60   Duration: 3 Hours

PART A
Answer all questions. Each question carries 3 marks

1. Briefly explain the need for Version Control.

2. Explain the ways to fix commits in Git.

3. Explain in detail about conflict handling in Git.

4. What are the best practices for an effective commit stage?

5. What is a test double? Explain its importance in acceptance tests.

6. Why is it necessary to test for non functional requirements?

7. Define orthogonality and its importance in pragmatic projects.

8. What are the best practices that help to deal user requirements?

PART B
Each question carries 6 marks.

9. a. Explain the principles for effective software delivery.

                                OR

    b. Explain the strategy for implementing Continuous integration.

10. a. Explain the utilities in Git that helps in effective repository management.

                                OR

    b. Explain the importance of Merge & Rebase in Git.

11. a. Explain the stages in a Deployment Pipeline.

                                OR

    b. Explain the importance of scripting in deployment phase.

12. a. Explain the factors the guide effective software release.

                                OR

    b. Explain the steps to improve the efficiency of acceptance test stage.

13. a. Explain the pragmatic steps in maintaining a good knowledge portfolio.

                                OR

    b. Explain the basic tools used by pragmatic programmers with their usage strategies.

14. a. Explain the importance of concurrency in design with examples.

                                OR

    b. Explain the importance of refactoring in pragmatic projects.