

Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
 THIRD SEMESTER REGULAR AND FIRST SEMESTER SECOND YEAR DIRECT MCA
 DEGREE EXAMINATION(S) MAY 2019

Course Code: RLMCA203

Course Name: SOFTWARE ENGINEERING

Max. Marks: 60

Duration: 3 Hours

PART A

Answer all questions, each carries 3 marks.

Marks

- | | | |
|---|--|-----|
| 1 | Why Software Engineering is important? | (3) |
| 2 | Write any three success and failure indicators of Predictive models. | (3) |
| 3 | Write a short note on V model. | (3) |
| 4 | Define the Dependency – Inversion Principle. | (3) |
| 5 | What is pair programming? | (3) |
| 6 | What is a User Story? Explain with an example. | (3) |
| 7 | What are the characteristics of a pragmatic programmer? | (3) |
| 8 | Explain Continuous Delivery. | (3) |

PART B

Answer six questions, one full question from each module and carries 6 marks.

Module I

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| 9 | What are the different ways to categorize requirements? | (6) |
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OR

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| 10 | Explain the different types of COCOMO model. | (6) |
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Module II

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| 11 | a) When is the Waterfall Model an appropriate software life cycle model to use? | (2) |
| | b) Explain the different types of Software risks. | (4) |

OR

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| 12 | What are the major phases in the Unified Process? Mention its advantages and disadvantages. | (6) |
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Module III

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| 13 | Explain Feature-Driven Development (FDD) and its phases. | (6) |
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OR

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| 14 | What do you mean by Refactoring? Mention different Refactoring techniques. | (6) |
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Module IV

15 Explain what are the roles in Scrum? (6)

OR

16 Explain product backlog and sprint backlog in Scrum. (6)

Module V

17 Describe Assertive programming. (6)

OR

18 Explain the concept of code maintainability. What are the principles for writing maintainable code? (6)

Module VI

19 a) Explain the importance of source control in DevOps. (3)

b) How Automation is Applied to DevOps? (3)

OR

20 Explain Application Performance Monitoring and its benefits. (6)
