B L1B004 **Pages: 2**

Reg. No._____ Name:_____

APJ ABDULKALAM TECHNOLOGICAL UNIVERSITY
FIRST SEMESTER MCA (LATERAL ENTRY) DEGREE EXAMINATION, JULY 2017

RL MCA 203: SOFTWARE ENGINEERING

Maximum Marks: 60 Duration: 3 hours

PART A

Answer all Questions. Each question carries 3 marks.

1. What is the importance of requirement gathering?
2. List the features of sashimi model.
3. Compare predictive and adaptive software engineering model.
4. Define Liscov substitution principle.
5. What is acceptance test?
6. Explain the process of retrospective daily scrum.
7. What is code maintainability?
8. State the benefits of continuous integration.

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

Module I

9. Explain the importance of software engineering and describe in detail the various phases associated with it.

OR

10. Write an essay on COCOMO model.

Module II

11. Explain different versions of waterfall model.

OR

12. Write notes on i) Feature driven development ii) Extreme Programming iii) Lean Software Development.(2 marks each)

Module III

13. Explain different types of testing in agile lifecycle.

OR

14. Write an essay on any three agile design principles.

Module IV

15. Explain in detail the role of Daily Scrum meeting and sprint in scrum framework.

OR

16. Write an essay on important scrum roles.

Module V

17. Explain design by contract in detail.

OR

18. Explain essential pragmatism in software engineering.

Module VI

19. Write an essay on the factors of devops in software industry.

OR

20. Write notes on i) Configuration management and its importance.   (3)
                    ii) Release management and its benefits.   (3)

***