Question Paper Code: 59082

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2017

Elective

Information Technology

15UIT924 - AGILE SOFTWARE DEVELOPMENT

(Regulation 2015)

Duration: Three hours   Maximum: 100 Marks

Answer ALL Questions

PART A - (5 x 1 = 5 Marks)

1. Find which one is not a Core principles of OpenUP

    (a) Balance   (b) Focus   (c) Collaborate   (d) Design

2. Identify Which one is not a Scrum Framework Roles

    (a) Product Backlog   (b) Product Owner   (c) Team   (d) Scrum Master

3. In which testing method testers are involved in minimum planning and maximum test execution

    (a) Regression Testing   (b) Load Testing
    (c) Exploratory Testing   (d) Monkey Testing

4. Find which one is not a refactoring techniques principle

    (a) Keep It Small   (b) Transparency
    (c) Team Cohesion   (d) Auditing

5. What is the probability of finding dependent systems are incompatible during integration in agile risk management

    (a) 65%   (b) 80%   (c) 30%   (d) 50%

PART - B (5 x 3 = 15 Marks)

6. What is pair-programming?

7. What is Sprint Backlog?

8. Write User story for Login Screen in Gmail Account.

9. List any 6 Automated Build tools which helps for Agile Testing.

10. List all the roles in agile Project.

PART - C (5 x 16 = 80 Marks)

11. (a) (i) Explain in detail about extreme programming practices. (12)

        (ii) Discuss about User Story. (4)

Or

(b) (i) What is Lean software development and explain its principles. (12)

        (ii) List any 8 Agile Tools. (4)

12. (a) Illustrate in detail about burn down chart and sprint planning. (16)

Or

(b) Explain in detail about SCRUM Framework. (16)

13. (a) Explain in detail about Test Automation and list 4 tools which is used for Test Automation. (16)

Or

(b) (i) Explain in detail about Test Driven Development. (10)

        (ii) Write Short Notes on Regression testing and Exploratory Testing. (6)

14. (a) Write a brief summary about single responsibility principle and open closed principle. (16)

Or

(b) (i) Explain in detail about refactoring techniques. (10)

        (ii) Explain in detail about Liskov Substitution Principle. (6)

15. (a) Explain in detail about Agile ALM. (16)

Or

(b) What are the different ways that agile projects on cloud and explain it. (16)

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