C   Reg. No. : ☐☐☐☐☐☐☐☐☐☐☐☐

| Question Paper Code: 59824 |

B.E. / B.Tech. DEGREE EXAMINATION, APRIL 2019

Elective

Computer Science and Engineering

15UIT924 - AGILE SOFTWARE DEVELOPMENT

(Common to Information Technology)

(Regulation 2015)

Duration: Three hours   Maximum: 100 Marks

Answer ALL Questions

PART A - (5 x 1 = 5 Marks)

1. Who is responsible to measure the Project's performance?   CO1- R

    (a) The Scrum Master   (b) The Delivery Manager

    (c) The Product Owner   (d) The Development Team

2. How many phases are there in Scrum?   CO2- R

    (a)Two   (b) Three   (c) Four   (d) It does not have phases

3. When acceptance testing is performed in Agile development?   CO3- R

    (a) On request of customer   (b) After system is ready

    (c) At the end of each iteration   (d) Daily

4. Which of the following is Open-Closed principle?   CO4- R

    (a) Open to modification, Close to extension   (b) Close to modification

    (c) Open to extension, Close to modification   (d) Open to modification

5. The Business Analyst is responsible for facilitating a high level of   CO5- R
    _____ between team members.

    (a) Involvement   (b) Collaboration   (c) Input   (d) Delegation

6. Define: Test-Driven Development   CO1- U

7. Where is agile estimation?   CO2- R

8. Define xUnit framework.   CO3- R

9. What are SOLID principles?   CO4- R

10. How to manage distributed teams and remote teams?   CO5- U

PART – C (5 x 16= 80 Marks)

11. (a) Explain the principles or Rules in Lean Software Development.   CO1- U   (16)

Or

(b) Discuss about the Scrum Methodologies of Agile Technology.   CO1- U   (16)

12. (a) Develop the product backlog and Sprint backlog for Online   CO2-U   (16)
        Shopping website.

Or

(b) Develop user stories for Banking System.   CO2-U   (16)

13. (a) Explain in detail about regression testing and risk based testing. CO3-U   (16)

Or

(b) Describe Test Driven Development in detail with a neat sketch.   CO3-U   (16)

14. (a) Define Single Responsibility Principles and explain the SRP with CO4- U   (16)
        suitable examples using OPP concept.

Or

(b) Define Liskov Substitution Principle and describe with examples. CO4- U   (16)

15. (a) Discuss the implementation of agile technique in handling   CO5- U   (16)
        projects in cloud.

Or

(b) What is Rapid Application Development? What are the Phases of   CO5- U   (16)
        the RAD?

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