C

Question Paper Code: 95502

B.E./B.Tech. DEGREE EXAMINATION, NOV 2023

Fifth Semester

Computer Science Engineering

19UCS502 - Software Engineering Practices

(Regulation 2015)

Duration: Three hours   Maximum: 100 Marks

Answer ALL Questions

PART A - (5 x 1 = 5 Marks)

1. The main activity of the design phase of the system life cycle is to?.   CO1- R

   (a) Replace the old system with the new one   (b) Develop and test the new system

   (c) Understand the current system   (d) Propose alternatives to the current system

2. In Scrum, when is a Sprint Over?   CO2- R

   (a) When all the Sprint Backlog Items are completed

   (b) When all the Sprint Backlog tasks are completed

   (c) When the final testing is completed

   (d) When the time box expires

3. Who will test the system in agile development?   CO3- R

   (a) Software tester.   (b) Developer.

   (c) Business Analyst.   (d) All the above.

4. DevOps is an extension of_____   CO4- R

   (a) QA   (b) Agile   (c) Waterfall   (d)   All the above

5. Two types of testing processes occur during development.   CO3- R

   (a) Test Driven Development   (b) Unit Tests

   (c) Both A and B   (d) None of the above

PART – B (5 x 3= 15 Marks)

6. Define : software Engineering and its characters.   CO1- R

7.	Define User Stories? With examples	CO2- R
8.	How agile testing is different from traditional testing methods?	CO2- R
9.	Define DevOps..	CO3- R
10.	What are benefits of automation in devops?	CO3- R

PART – C (5 x 16= 80Marks)

11.	(a)	Explain agile software development life cycle in detail	CO1- U	(16)
		Or		
	(b)	Write in detail about Extreme programming	CO1- U	(16)
12.	(a)	Explain in detail scrum framework for agile software development.	CO2- U	(16)
		Or		
	(b)	Discuss the various meetings involved in Scrum.	CO2- U	(16)
13.	(a)	With a neat diagram explain the impact of testing in agile life cycle.	CO3- U	(16)
		Or		
	(b)	Explain xUnit framework for TDD.	CO3- U	(16)
14.	(a)	Explain in details about the adoption of DevOps among big data systems.	CO4- U	(16)
		Or		
	(b)	Discuss about the DevOps standard processes prescribed across the industry and adopted by organizations	CO4- U	(16)
15.	(a)	What is Cloud computing? And its characteristics. Explain the service model of the cloud computing with neat diagram.	CO5- U	(16)
		Or		
	(b)	What is Virtual Machine? How to Create and Loading a virtual machine with suitable examples.	CO5- U	(16)