Question Paper Code: 95C02

B.E. / B.Tech. DEGREE EXAMINATION, MAY 2024

Fifth Semester

Computer Science and Business Systems

19UCB502 - Software Engineering

(Regulations 2019)

Duration: Three hours   Maximum: 100 Marks

Answer ALL Questions

PART A - (5 x 1 = 5 Marks)

1. What are the features of Software Code?   CO1- U

    (a) Simplicity   (b) Accessibility   (c) Modularity   (d) All of the above

2. The importance of software design can be summarized in a single word   CO1- U

    (a) accuracy   (b) complexity   (c) control   (d) quality

3.   When we have to stop the testing?   CO1- U

    (a)The faults have been fixed   (b) All the tests run

    (c)The faults have been fixed   (d) All the tests run

4. Which of the following is not project management goal?   CO1- U

    (a) Keeping overall costs within budget

    (b) Delivering the software on time

    (c) Maintaining well-functioning development team

    (d) Avoiding customer complaints

5. Which one of the following is not an agile method?   CO1- U

    (a) XP   (b) 4GT   (c) AUP   (d) All of the above

PART – B (5 x 3= 15 Marks)

6. What is mean by requirements elicitation?   CO1- U

7.   List the principles of a software design.   CO1- U

8. What are the errors uncovered by black box testing?   CO1- U

9.	What do you infer from RMMM?	CO1- U
10.	What are the different types of Agile methodologies?	CO1- U

<div align="center">PART – C (5 x 16= 80 Marks)</div>

11.	(a)	Explain in detail about the characteristics of a good system requirements specifications.	CO1- U	(16)

<div align="center">Or</div>

	(b)	Explain in detail about Prototyping model with a neat diagram. What is the effect of designing prototype on the overall cost of the software project.	CO1- U	(16)

12.	(a)	Explain the fundamental software design concepts in detail.	CO1- U	(16)

<div align="center">Or</div>

	(b)	Discuss in detail about the design process in software development process. Justify "Design is not coding and coding is not design".	CO1- U	(16)

13.	(a)	Write a note of	CO1- U	(16)

    (i) Black box testing.
    (ii) Regression testing.
    (iii) White box testing
    (iv) Integration testing.

<div align="center">Or</div>

	(b)	(i) Describe about Debugging.	CO1- U	(8)
		(ii) Write a note on software implementation techniques	CO1- U	(8)

14.	(a)	Explain about all COCOMO models	CO1- U	(16)

<div align="center">Or</div>

	(b)	Describe steps involved in project scheduling process, project timeline chart and task network.	CO1- U	(16)

15.	(a)	Explain in detail scrum framework for agile software development.	CO1- U	(16)

<div align="center">Or</div>

	(b)	Discuss the various meetings involved in Scrum.	CO1- U	(16)

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