Reg. No.												

Question Paper Code	11554

B.E. / B.Tech. - DEGREE EXAMINATIONS, NOV/DEC 2022
Sixth Semester
Information Technology
(Common to Computer Science and Engineering)
IT8076 - SOFTWARE TESTING
(Regulations 2017)

Duration: 3 Hours   Max. Marks: 100

PART - A (10 × 2 = 20 Marks)
Answer ALL Questions

		Marks, K-Level, CO
1.	Define Errors, Faults and Failure.	2,K1,CO1
2.	List out any four Software testing axioms.	2, K2,CO1
3.	Show the need of code functional testing in test case design.	2, K2,CO2
4.	Define random testing.	2, K1,CO2
5.	What is Regression Testing?	2. K2,CO3
6.	Illustrate the levels or major phases of testing?	2, K2,CO3
7.	Write the WBS elements for testing.	2, K1,CO3
8.	What are the issues in testing object-oriented systems?	2, K1,CO4
9.	Difference between Benchmark and Base line.	2, K2,CO6
10.	Classify the types of Test defect metrics.	2, K2,CO6

PART - B (5 × 13 = 65 Marks)
Answer ALL Questions

11.	a)	Explain 5 level structures of Testing Maturity Model in detail	13,K2,CO1
		OR	
	b)	(i) Explain the role of the tester 'son Software development Organization.	13,K2,CO1
		(ii) Define defect and illustrate the various origins of defects.	13,K2,CO1
12.	a)	Demonstrate the various black box testing approaches using Equivalence partitioning and boundary value Analysis	13,K2,CO2
		OR	
	b)	Discuss in detail about the Random testing, Requirement testing and Domain testing with example.	13,K2,CO2

K1 – Remember; K2 – Understand; K3 – Apply; K4 – Analyze; K5 – Evaluate; K6 – Create

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13. a) Discuss in detail about the Alpha and Beta Testing. 13,K2,CO3

OR

b) Explain the different integration testing strategies for procedures and functions with suitable diagram. 13,K2,CO3

14. a) Explain in detail about the concept of building a Test Group. 13,K2,CO3

OR

b) (i) Discuss on the different skills needed by the test specialist. 7,K2,CO5
(ii) How will you build a test group? Explain it. 6,K2,CO5

15. a) (i) List the requirements for test tool. Explain any five requirements with a suitable example. 7,K2,CO6
(ii) Explain the components of Review Plan. 6,K2,CO6

OR

b) Describe briefly about architecture, various types of test automation and scope of automation. 13,K2,CO6

PART - C (1 × 15 = 15 Marks)

16. a) Write short notes on the following
(i) Compatibility Testing 5,K2,CO3
(ii) Website Testing 5,K2,CO3
(iii) Configuration Testing 5,K2,CO3

OR

b) What are metrics and measurements? Illustrate the types of product metrics. 15,K2,CO6