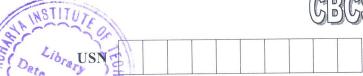
ORE



CBCS SCHEME

18MCA351

## Third Semester MCA Degree Examination, July/August 2021 Software Testing

Time: 3 hrs. Max. Marks: 100

Note: Answer any FIVE full questions.

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1	a. b. c.	Differing Explain Error, I date and I what will be the	(06 Marks) (07 Marks) (07 Marks)
2	a. b.	Briefly explain the six basic principles of software testing.  Differentiate between:  i) Verification and Validation  ii) Software and Hardware Testing  iii) Static and Dynamic metrics  iv) Static and Dynamic Testing.	(08 Marks) (12 Marks)
3	a. b.	Write algorithm to generate a minimal BRO-constraint set from an abstract syntax $P_r = (a + b) \land (c - d)$ Describe about the SATM screens with the problem statement.	tree (10 Marks) (10 Marks)
4	a. b.	Explain Boundary Value Analysis testing and generalizing boundary value an appropriate diagrams.  Define the decision table with an example and explain the test case for triangle predecision table.	(10 Marks)
5	a. b.	Write the program graph, DD-path, program for the triangle program. Explain about Equivalence class testing with an example of triangle program antest cases.	(10 Marks) d write the (10 Marks)
6	a. b.	List the level of testing and explain each of them with example. Write the conte of the SATM.  Compare the integration and system testing. Explain the McCabe's basic path example.	(10 Marks)
7	a. b.	Define DD-path. Write a DD-path graph for triangle problem and table showing graph nodes. DD-path name case of definition.  Define definition, use testing, du-path, definition-clear path, write du-paths for sharrels of commission program.	(10 Marks)
8	a. b.	program.	(10 Marks)
9	a. b.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(10 Marks) (10 Marks)
10	a.	Define Scaffolding. Briefly explain generic vs specific Scaffolding.	(10 Marks) (10 Marks)

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Write a note on Test oracles.