P. Pages	:	2		PCE/KS/23/ BTCT603T-2
Time	:	Three Hours		Max. Marks : 70

Notes:

1) All questions carry marks as indicated.
2) Solve Question 1 or Question 2.
3) Solve Question 3 or Question 4.
4) Solve Question 5 or Question 6.
5) Solve Question 7 or Question 8.
6) Solve Question 9 or Question 10.
7) Assume suitable data wherever necessary.
8) Illustrate your answer with the help of neat sketches.

Q. No.		Questions	CO	BL	Marks
Q. 1	A	What is SDLC? Describe in detail.	CO1	2	7
	B	What are the different practices for designing good test case? Explain in detail.	CO1	2	7
		OR			
Q. 2	A	Differentiate between verification and validation.	CO1	2	7
	B	What is test case? Design the test case to for the scenario: "Check Login Functionality"	CO1	3	7
Q. 3	A	Differentiate between black box testing and white box testing.	CO2	2	7
	B	What is boundary value analysis? Explain in detail with suitable example.	CO2	2	7
		OR			
Q. 4	A	Enlist any four tools to perform white box testing? Also explain advantages and disadvantages of white box testing.	CO2	2	7
	B	What is equivalence class partitioning? Explain in detail with suitable example.	CO2	2	7

Q. 5	A	What is unit testing? Explain in detail with suitable example.	CO3	2	7
	B	What is integration testing? Explain with an example.	CO3	2	7

OR

Q. 6	A	Explain in detail about advantages and disadvantages of unit testing.	CO3	2	7
	B	Explain in detail about acceptance testing.	CO3	2	7

Q.7	A	What is test data generation? Why test data should be created before test execution?	CO4	2	7
	B	Discuss about the various challenges in test automation.	CO4	2	7

OR

Q.8	A	What is automation testing? Explain in detail with suitable example.	CO4	2	7
	B	Explain the test plan with proper scenario.	CO4	2	6

Q.9	A	Enlist the criteria for selecting a testing tool.	CO5	2	7
	B	Explain in detail about web testing with suitable example.	CO5	2	7

OR

Q.10	A	What is syntax testing? Discuss in detail about its formats and test cases.	CO5	2	7
	B	Define object oriented testing? Explain its related issues.	CO5	2	7