Darshan University

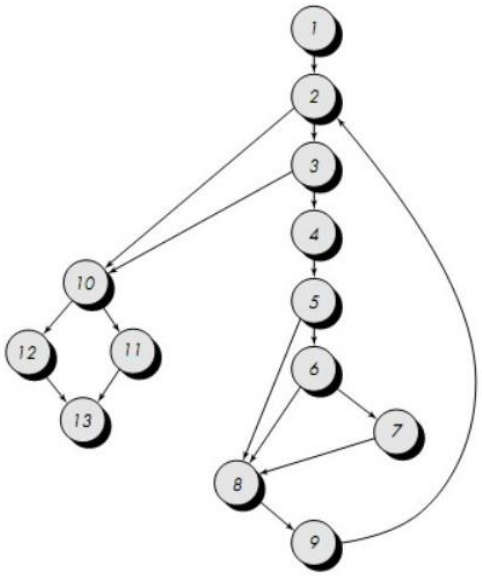
BCA 5th sem

Software Testing (2104CS503)

Question bank

Sr.	Unit No.	Question	Marks	BL	CO
1	1	What is defect and error? List and Explain types of defect.	3	U	CO-1
2	1	Explain testing objectives in detail.	7	U	
3	1	Explain any three-testing objective in detail.	3	U	CO-1
4	1	Explain testing objective prevent defect, evaluate work product, build confidence, reduce risk, verify requirement, validate test object, share information to stack holders, find failure and defect.		U	CO-1
5	1	Explain steps of test process. (planning and control, analysis and design, implementation and execution, evaluating test exit criteria and reporting, test closure activities)	4/5	R	CO-1
6	1	Determine the psychology of testing.	3	U	CO-1
7	1	What are the test approaches? List and explain.		R	CO-1
8	1	Explain test approach black box, white box, gray box, functional, nonfunctional, automated and manual.	4/5	R	CO-1
9	1	Explain software testing life cycle.	7	U	CO-1
10	1	From the software testing life cycle, explain requirement analysis, test planning, test case development, test environment setup, test execution, test cycle closure (any 3 or 4)	3/4		CO-1
11	1	List out all the 7 principles of software testing and explain.	7	R	CO-1
12	1	Give difference between verification and validation.	4	U	CO-1
13	1	Explain bug life cycle.	7	U	CO-1
14	2	What is black box testing? Write down its advantages and disadvantages.	3	U	
15	2	Explain equivalence partition with example.	4	U	CO-1
16	2	What are the types of equivalence class testing? Explain all types.	4	R	CO-1
17	2	Explain boundary value analysis with example.	3	U	CO-1
18	2	Write down its advantages and disadvantages of BVA.	3	U	CO-1
19	2	Explain decision table testing with example.	4	U	CO-1
20	2	Create a decision table for the image upload box that will ask the user to upload a photo with certain conditions like – ➥ You can upload only .jpeg format image ➥ file size less than 50kb ➥ resolution 130*170.	3	A	CO-1
21	2	Explain state transition testing.	3	U	CO-2
22	2	Write down state transition diagram and state transition table for ATM system.	4	A	CO-2
23	2	What is white box testing? Write down its advantages and disadvantages.	3	U	CO-2
24	2	Explain statement coverage of white box testing with any one example	4	U	CO-2
25	2	Explain decision coverage with example.	4	U	CO-2
26	2	Explain condition coverage with example.	4	U	CO-2

27	2	Draw control flow graph for given code:
		1. sum = 0;
		2. i = 1;
		3. while (i<=n){
		4. sum += i;
		5. ++i;
		6. }
		7. printf("%d",sum)
		8. if(sum>0){
		9. printf("Positive");
		10. }
			7	A	CO-2

28	2	Calculate Cyclomatic Complexity for the given graph:  	3	A	CO-2
29	2	What is loop testing? Explain simple loop testing and concatenated loop testing.	4	U	CO-2
30	2	What is loop testing? Explain nested and unstructured loop testing.	4	U	CO-2