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Date	
Page	()
6	

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Rollno: 49

Subject: STQA

(28) Input variables are A, B, C in range [1,50] 2 No of input variables = 3 i.e. N=3

Step 1: Number of total BVC test cases = 4n+1

z 13 test cares.

Stcp 2: Boundary values

Prepare men more value table with the given information.

	(1)	A	8	T (1'	
	Men value	(A) 1	li .	1 1	
	mint value	2	2	2	
	max value	50	50	50	
	max-value	49	49	49	
	Nomenal value	25	25	25	
†	140.150	*,			



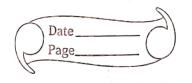
17232	Name: Sakshi Jadhay
- 81130 - 2-6613	Class: BFITB
1 1	Rouno: 49
Clarity Inc	•
College I	Subject STQA Sign: Stadhar

Step 3? Prepare a BVC test table:

	107.11.50	as a co	18 11 81	1 27/1	Milan dryn (usy
1	Test-case 10		nputony	4))((4)	Expected output
		À	B	6	
	1 011 - 2323	- 1 H : V	49	25d	190 (B)
1 +	(: : 12 =	2	25	25	25 CB and C)
4	1 6 B	25	49	30	49 (B)
	ч	3	1	50	50 (C)
	5	18	43,	29010	(43CB)
	6	41	38	20	41 CA)
(13)	in to all	194-4	(1) 29 (1)	23/11	24.CB)
	8	36	23	į	36CA)
	q	25	16	35	35(C)
	to	3/2	'2 /	2	32 CA)
	11	9	48	3	48 (B)
	12	50	3	25	50(A)
	13 0	4	392	8	39 CB)
		1.1	1		300
			2.3	, 5,11	93.8° J. 19.19
1	N 43				

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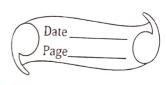
	Name: Sakshi Jadhar
4	Class: BEITB
j	Roll number: 49
	Subject: STQA.
	Sign: Saethar
2 - 1	in the interest of the state of
Q3A)	1) Software testing Ufecycle (STLC) Ps a sequence of
	aethvities conducted during the testing process
	to ensure software quality goals are met.
	2) STLC Prolies both verification and valedation activities
	3) It consists of a series of activity to carried out
	methodologically to help certify our software product.
()	4) There are on major phases in every diftwore testing
	wife ayche the man with an air in the
	1) Regismement analysis
	(i) Test planning
	1) Test case development
	(v) Test environment setup
	v) Test execution
	vi) Test cycle closure.
	with the makes of the fit of the second of the second of the
	Requirement
	Requirement
\	Test
	panning
/- 	Test-case
	perelopment &
	thy homent setup
	Test execution \
	Test case closure.



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- 5) Each of the stages has a definite entry and Exit ontena, activities and deliverables associated.
- 6) Entry criteria: it gives the prerequisite items that must be completed before the testing can begin 7) exit criteria: it defines the items that must be
 - completed before testing can be concluded.
- (Requirement Analysis (Requirement phase testing)

 i) In this the test team studies the requirements
 from a testing point of view to identify testable
 requirements and the QA team may interact
 with various stateholders to understand
 requirements in detail
 - non functional.
 - (11) Automation feasibility & also done at this Stage.
 - IV) Activities in requirement phase testing.
 - a) Identifynt types of tests to be performed b) Gother details about testing priorities & focus.
 - c) Prepare Requirement transbrity matrice (RTM)
 - d) Identify test envidetaris



(5) Name: Sakshi Jadhar Class: BFITB. Roll no: 49 Branch: IT Sub:

(2) Test planning phase:

i) In this a sensor of a manager determines the test plan strategy along with efforts trand west estimates for the project

Morever the resources, test env, test limitations and testing schedule are also determined.

ul) The test plan gets prepared and finalized

i) This involves the creation, verification and rework
of test cases and test empts after the test
plan is ready.

ii) Instractly the fest data is identified then created and reviewed and then reworked based on the preconditions.

of test cases for Individual units.

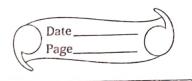
i) This decides the suftware and the hardware

eonditions under which a work product is tested.

11) It is one of the critical aspects of the testing process

and can be done parallel with the test case development

phase



(6)

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if the development team provides the test env.

w) The test team is required to do a readiness check

of the given environment

5) Test execution phase:

testing of the software build is done based on test plans and test eases prepared.

80 pt maintanance & bug reporting.

111) if bugs are reported then it reverted back to development team for correction & retesting will be performed.

© Test aycle closure:

i) This phase is completion of test exceeding which involves several activities like test completion reporting vollection of test completion matrices &

1) Testing team members meet, discuss a analyze testing artifacts to identify strategies that have to be implemented in fluture taking ressons from current test cycle

(11) The idea is to remove process bottleneels for future test cycles.