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Q.3 1) D

2) D

Q.4 1) myths about testing:-

1 Testing is too expensive.

Pay less for testing during s/w development or pay more for maintainance later. Early testing saves both times cost in many aspects.

IT Tasting is time-consuming.

During SDLC testing is never time consuming.

(III) only fully developed products are tested

No doubt, testing depends on the source code but reviewing req 4 developing test cases is independent from developed code.

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(IV) complete testing is possible

It becames an issue when a dient or tester thinks that complete testing is possible.

(v) Tested software is bug free

No one can daim with absolute certainity that a s/w app is 100%.
bug free

(VI) missed defeats are due to testers

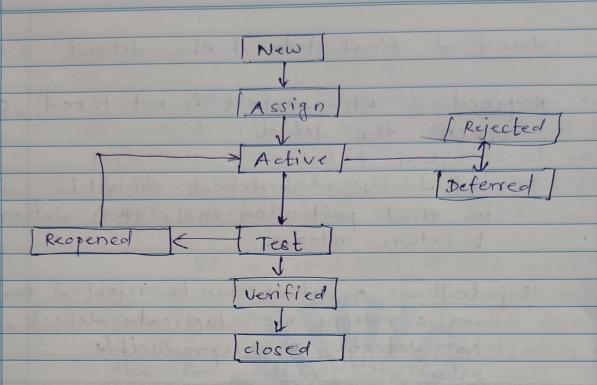
It is not correct approch to blame tester for bugs that remain in the app even after testing.

Q.43) Defect life cycle -

BECSE A- CF

Also known as Bug life cycle is the journey of a defect cycle, which a defect goes through during its lifetime

It varies from organization to organization of also from project to project as it is governed by the slw testing process of also depends upon the tools used.



Aig: - Défect life cycle

Defect life cycle otates:

New - Potential defect that is raised 4 yet to be validated.

Assigned - Assigned against a development team to address it but not yet resolved

Active - The defect is being addressed by developer of investigation is under progress.

Test - The defect is fixed of ready for testing.

Verified - The defect that is retested & test is verified by QA.

	closed - final state of the detect.
	reopened - when defect is not fixed, QA reopens the defect.
	reopens the detect.
	laked annather addressed
	Deferred - when a defect cannot be addressed in that particular cycle it is defferred to future release.
	in that particular of the 11 is agreed to
	Rejected - A defect can be rejected for any s reasons viz duplicate defect, Not defect, Non reproducible
	ang s reasons viz duplicate defect,
	Not defect, Non reproducible
Q.51	Verification Validation.
	Et includes checking docs, DIt includes testing of design, code of programs validating actual product.
	alorgh, code of programs validating actual product
(I	It is static testing I It is dynamic testing
(1)	It does not include the include execution
	execution of coole.
(T)	In this reviews, would through (In this black box festing,
	inspections & desk checking white box testing & non methods are used. functional festing methods
	are used
	Tolonge of boxin is don't all all all all
(V	OA team does verification (Testing team does validation
(v	
	validation verification
-	

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Q.5 2) Equivalence partitioning techinque:

It is a technique of sow testing in which input data is divided into partitions of valid 4 individual values & it is mandatory that all partitions must exhibit the same behavior.

If a condition of one partition is true then the condition of another equal partition must also be true, & it condition of one partition is false the for another also false,

The principle of equivalance partitionining is, test cases should be designed to cover each partition at least once. Each value of every equal partition must exhibit the same behavior as often

eg. Assume that there is a function of a slw apply that accepts a particular number of digits, not greater of less than that particular no. for evample an orp no. which contains only six digits, less or more than six digits will no be accepted of the apply will redirect the user to error

otp Number = 6 digits

1	Invalid	Invalid	Valid	Valid,	
	Test case 1	test case 2	test case 3	test case 4	
	, 00, 000	englast a	24 47		
4	21gits >= 11	Digits <=9	Digits=10	Digits=10	
	41,113		4		
	93867969719	9845439852	9991457234	3893451483	
	J 60 1 (2012)		distant de		

Q.61) Smoke testing: -

It is a sportesting process that determines whether the deployed slow builds is stable or not.

smok testing is a confirmation
for QA team to proceed with further
slub testing. It consists of a minimal
set of tests run on each build to
test slub functionalities. It is also
known as "Build verification testing"
or "Confidence testing"

[code]

Viit testing]

I sanity testing]

Smoke testing [

functional testing]

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sanity testing) -

It is a subset of regression testing. After receiving the s/w build, sanity testing is performed to ensure that the code changes introduced are working as expected this testing is a checkpoint to determine if testing for the build can proceed or not.

The main purpose of this testing is to determine that the changes or the proposed functionality are working as expected.

If the sanity test fails, the build is rejected by the testing team to solve time of money. It is performed only after the build has cleared the QA team for further testing. The focus of the team during this testing process is to validate the functionality of the application of not detailed testing.

a.6 3) security testing -

It is a type of slw testing that involves the vulnerabilities of the system 4 determines that the data f resources of the system are protected from possible

intruders. It ensures that the olw system & application are free from any threats or risks that can ause a loss

Goal of security testing -

o To identify the threats in the system o To measure potential vulnerabilities of system o To help in detecting every possible security ricks in system.

o to help developers in fixing the security problems through cooling.

principle of security testing -

- confidentiality
 Integrity
 Authentication

- · Authorization
- · Availability
- o Non-republirepudiation

Types of security testing -

- · Vulnerability scanning
- · security scanning
- · penetration testing · Risk assesment
- a security auditing
- · Ethical hacking
- · posture assessment