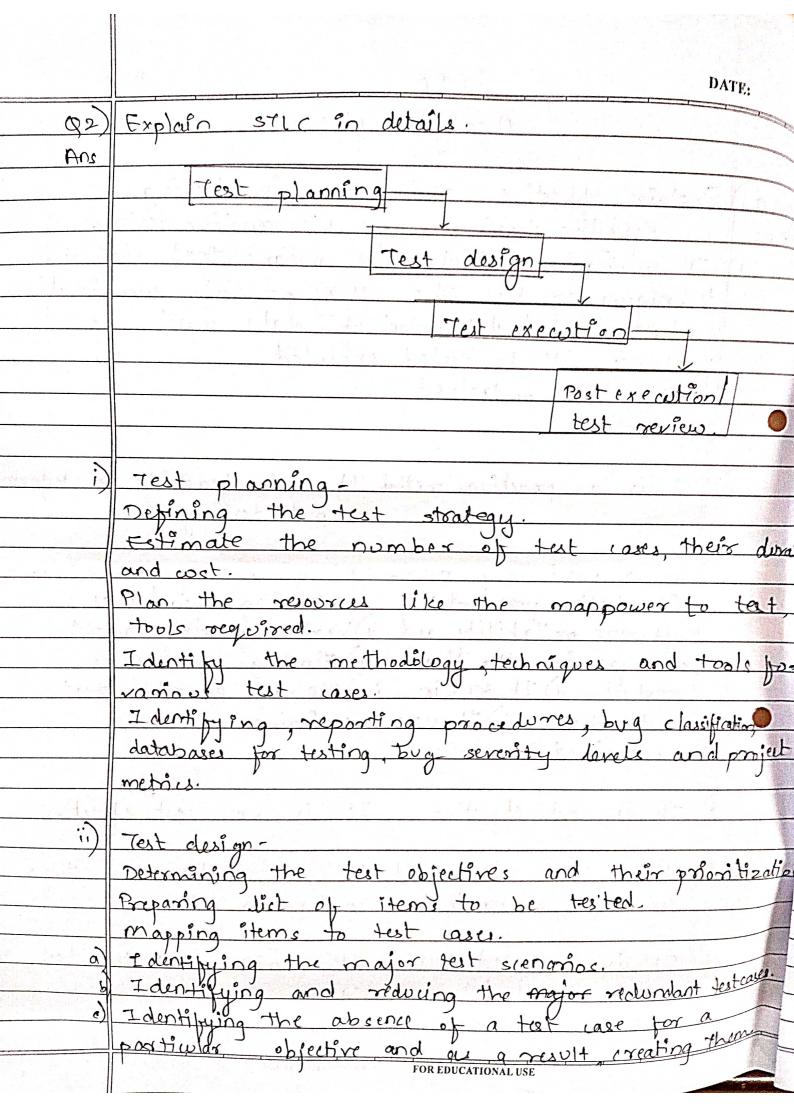
	CTAA	DATE:
	STOA	
	11561911	ment - 1
01	Explain expedire and	exhauctive testing.
Ans	Extredive testing	Exhaustive testing.
a)	It emphasizes efficient	It means that each and
	techniques to test the	every possible combination
- ",	software so that importan	of data must be
	fratures will be tested	executed.
	within the constrained	
	resources.	
. \	-1 ° 10 A At 1	of a de la 1919 de producero
(0)	It is a project cal method.	It not feasbile to perform
1		complet foring
c	It is teasible he cause.	It is not geasible because-
Mark to the	:) It helps for sout	i) Achierna deadlines.
	software reliability and	ii) Various possible outputs.
	no bugs in the final	i) Achienny deadlines. ii) Various possible outputs. ii) Timing constraints.
	pronduct. ii) It tests in	v) No. of possible test
J. 1840 3 1870	each phase iii) It uses	enviorments.
factor to	constrained recources.	with the bound of the second
<u> </u>	It is cost effective.	It is not cost effective.
	71	The in consoler and to
	It is less complex and less time consuming.	It is complex and time
	AUSS TIME CONTROLLED	consuming.
4)	It is adapted such	It corners all the test
D/	that initial test	ajes.
R. J. K. W.	coses are concerned	when many the state of the state of the
	firet.	
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	DATE.
iii)	Test execution-
27 4 1 12	Test execution takes place after the successful
183	completion of test planning. In this phase, the
	testing team storts case development and outsity.
- AS	They write down the detailed test causes, also
٠,	prepares the test data if required. The test cases
2 - 1 2 - 1	are reviewed by peer members of the team or
	Quality Assurance leader.
	Rym (Requirement testing matrix) i also prepared
0	in this phase. RTM is industry livel format,
	used for toacking requirements.
	and a said a said Harris of the said of the said
iv)	Post execution l'est review
:	As soon as the developer gets the bug reported,
10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	he performs the following activity-
1	Understanding the bugs
Ŧ	Reproducing the bug
	Analysing the nature and cause of the bug.
	Reliability analysis
D	Coverage analysis
	Coverage analysis Overall defect.
Q3)	Explain by with its classification. Explain life cycle
	of bug.
Ans a	Bug is the presence of error at the time of
	execution.
	101010101
b)	Bug dassification based on inticality
	intical bugs medium hugs
	Major Bogs
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\$	Bug classification based on SDLC-	
1	Requirements and specifications bug Design bugs	
	Design bug!	
2 6	Control plan bugs	
	Processing bugs	
	Data flow bugs	
ा । । भ= म	Error handling bugs	
i en e	Race condition bugs	
	Boundary-related bugs	
	Vser interface bugs	
	(oding bugs	
1914 4 19 APR 1 25	Interface and integration bugs	
	system begs	
	testing bogs.	
d	Life cycle of abug-	
	ay ce y a vog	
	7wo phases -	0
	i) Bugs-in phase	
	ii) Bugs-out phase	
	ELLON PELLON PERLON	1000
	Requirement Bug, Design Bug, Coding, Bug	
11	gathering & specifications	
	Burg Bys-in phase	
	745	tir
	Resolve the Isolate classify the	
	bug the bug to ident bug	_
	Buge-out phase.	_
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		-

		DATE:
94	Differentiate between	verification and validation.
POS	Ventication	Validation.
, c	It includes checking	It includes testing and
- 1	downents, design, codes	ralidating the actual program
	and programs.	
4 3		
Ь	It is static testing.	It is dynamic testing
	Doesn't include execution	Indudes ixemtion of vode.
)	of code.	· · · · · · · · · · · · · · · · · · ·
4	Methods for ventication	Methods for validation are
	are inspection;	white box testing, black box
	walk throughs and reviews.	testing and non-functional
13.15	reviews.	testing.
	7	
6	It whecks whether	It checks whether the oftware
	ine software conforms	meets the requirements and
	to specifications or not.	expectations of a costomer
	•	or not.
-	It ian find bugs in	It can only find bugs that
	early stage of development	could not be found by the
		rentification process.
	V	V
to	quality assurance team	validation is done by
- 11		teeting team.
	does verification	
P	Validatio It is your	71- is for detection of
	Dan 10	
	Excreption of errors	errors.
The state of the s		FOR EDUCATIONAL USE
Name of Street		1 On all 1

Q5)	Defferentiate between	black box and white box
	testing.	anticity in the same
- 11	Black box testing	White box testing
	It is a way of	It is a way of taking
	software testing in	the software in which the
	which the internal	software tester has knowledge
	storehore of the program	about the internal etu done
	or the code is hidden	on the code or the program
	and nothing is known	of the software.
	about it.	
<u> </u>	by coftware testers	It is mostly done by
NO 1	by coftware testers	software developers
(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	THE PERSON OF THE PARTY OF THE	
c	No need of implementation	Knowledge of implementation
	is needed.	Knowledge of implementation is needed.
	and the second of the second	per the getternate with the
<u>d</u>)	It is a functional test	It is structural test of
	of software.	software,
	11111	
<i>(</i>)	No need of programming	It is mandatory to have
1	knowledge.	knowledge about programming
	in the transfer with	
- P	It is least time	It is most time
· · · · · · · · · · · · · · · · · · ·	concuming.	consuming.
1	and it will be a second	- Anna Carlo
9	It is less exhaustive	It is comparably more
		ex haustive.
4 m = 1/4=	and the second s	An article and a property of
eg-	Renetional, non-functional	Path, loop and condition testing
	and regression testing.	testing.
	J FOR	EDUCATIONAL USE