

Mangalmay Institute of Management Technology Greater Noida (U.P.)





CERTIFICATION PROGRAMME

On

Software Testing tools and Techniques

From

14th March - 17th May 2023

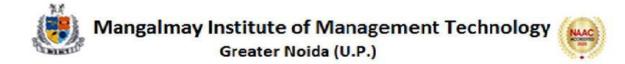
Convener: Mr. Abhay N Tripathi, Associate Professor, MIMT

For BCA IInd Semester

Resource Person

Mr. Krishan Kumar Assistant Professor, MIMT

www.mangalmay.net.in | Plot No. 8 & 9, Knowledge Park-II, Greater Noida, Delhi-NCR, India



Syllabus Software Testing tools and Techniques

Duration: 30 Hours

Module I:

Definition of Software Testing and its Role Terms:- Failure, Error, Fault, Defect, Bug, Goals of Testing, Principles of Testing, Software Testing Life Cycle, Verification and Validation :- V-testing Life cycle, Static and Dynamic Testing, Manual Testing, Automated Testing, Supported Technologies for Software Testing, Software Testing Certifications. Software Development Life Cycle, SDLC Models, Software Test Levels, Software Test Types, Software Test Design Techniques, Software Test Process / STLC, Software Quality Standards, Software Test Documents.

Module II:

Types of Testing:-Black Box Testing Overview: What is & When? Techniques, Boundary Value Analysis, Equivalence class testing o Decision Table, White Box Testing, Need of white box Testing, **Classification, Structural**: Coverage, Path, Static : Inspection, Walkthrough , Technical Review, Level of Testing:- Unit Testing integration Testing, Techniques: Graph based, & Path based Functional Testing, System Testing, Categories: Reliability Security Performance Recovery, Acceptance Testing : Overview, Types of Acceptance Testing.

Module III:

Software Testing Tools:- Functional Testing using Selenium, Performance Testing, Functional Testing using UFT, Test Management using JIRA, Defect Management using HP ALM tool, Regression Testing, Functional Testing using Test Complete, API Testing, Database Testing, ETL Testing.

TEXT BOOK/S:

Software Testing: Principles and Practice by SrinivasanDesikan, GopalaswamyRamesh,Pearson. Software Testing: Principles and Practice by NareshChauhan,Oxford.

REFERENCE BOOK/S:

Software Testing: Easy Learning Approach by ShubhaAgarwalKundlas.

WEB RESOURCES:

https://www.guru99.com > software-testing-introduction-importance





Schedule

Duration:30hours					
Session	Content	Time	Date		
1.	Discussion about the subject syllabus and learning outcome	03:00-04:30	14/03/2023		
2.	Failure, Error, Fault, Defect, Bug, Goals of Testing	03:00-04:30	15/03/2023		
3.	Principles of Testing, Software Testing Life Cycle	03:00-04:30	21/03/2023		
4.	Verification and Validation :- V-testing Life cycle, Static and Dynamic Testing,	03:00-04:30	22/03/2023		
5.	Software Test Levels, Software Test Types	03:00-04:30	28/03/2023		
6.	Software Test Design Techniques, Software Test Process / STLC	03:00-04:30	29/03/2023		
7.	Software Quality Standards, Software Test Documents.	03:00-04:30	04/04/2023		
8.	Revision of Module 1	03:00-04:30	05/04/2023		
9.	Black Box Testing What is & When?	03:00-04:30	11/04/2023		
10.	Boundary Value Analysis, Equivalence class testing Decision Table	03:00-04:30	12/04/2023		
11.	White Box Testing, Need of white box Testing	03:00-04:30	18/04/2023		
12.	Coverage, Path, Static, Inspection, Walkthrough, Technical Review	03:00-04:30	19/04/2023		
13.	Level of Testing:- Unit Testing integration Testing, Techniques	03:00-04:30	25/04/2023		
14.	Functional Testing, System Testing	03:00-04:30	26/04/2023		
15.	Categories: Reliability Security Performance Recovery	03:00-04:30	02/05/2023		
16.	Functional Testing using Selenium, Performance Testing	03:00-04:30	03/05/2023		
17.	Functional Testing using UFT	03:00-04:30	09/05/2023		
18.	Test Management using JIRA, Defect Management using HP ALM tool	03:00-04:30	10/05/2023		
19.	Regression Testing, Functional Testing using Test Complete	03:00-04:30	16/05/2023		
20.	API Testing, Database Testing, ETL Testing	03:00-04:30	17/05/2023		



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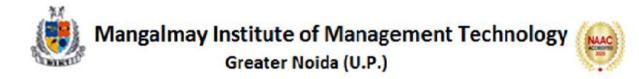


	Report
NameofActivity	Software Testing tools and techniques
Date	14 th March2023 to17 th May2023
Venue	BCAClassroom
Organizedby	ComputerApplicationDepartment
ResourcePerson	Mr. Krishan Kumar, AssistantProfessor,MIMT
Beneficiaries	BCA2ndSemester(112 students)
Convener	Mr. Abhay N Tripathi , Associate Professor, MIMT
Objective	 The course is designed to learn how to planning a test project, design test cases and data, conduct testing operations, manage software problems and defects, generate a testing report and other skillslike: Finding defects which may get created by the programmer while developing the software. Gaining confidence in and providing information about the level of quality To make sure that the end result meets the business and user requirements
Content	 WiththeinitiativeofIQAC,MangalmayInstituteofManagementandTechnologyorganizedaddoncertificationcourseon"Software testing tools and techniques". The course enabled the students toacquire knowledge ofSoftware Testing. Day1:Thesessionstarted withthediscussionaboutthesubjectsyllabusandlearningoutcome. Day2:Thesessionstartedwiththe difference between Failure, Error, Fault, Defect, and Bug. Day3: Inthissession explain Principles of Testing and Software Testing Life Cycle Day4: in this session differentiate Verification and Validation. Day5:Inthissession, describe Software Test Levels and Software Test Types. Day6:Thissession, the resource persons discussed the Software Test Documents. Day 8: Revisionofmodule 1takesplace. Day 10: Inthissession,resourceperson in lighting on Boundary Value Analysis and Equivalence class testing Decision Table. Day 11:Inthissession,resourcepersonaliscussedabout theWhite Box Testing and explain what is the need of white box Testing. Day 12: Inthissession,resourcepersonexplain Coverage, Path, Static, Inspection and Walkthrough. Day13: Inthissession resource person discussed bytheresourceperson. Day13: Inthissession resource person discussed bytheresourceperson. Day12: Inthissession,resourceperson discussed bytheresourceperson. Day13: Inthissession,resourceperson discussed bytheresourceperson.





	Security and Performance Recovery. Day16:Theresourceperson hands on using Selenium tool, to explain automation testing. Day17:TheresourcepersontaughtaboutFunctional Testing using UFT					
	Day18:Inthissession resource person give hand on and explain how tool work for Test Management using JIRA. Day19:Thesessionwasabout theRegression Testing. Day20:Inthissession resource person discuss on API Testing, Database Testing					
Outcome ofActivity	 Understand and describe the basic concepts of functional (black box) software testing. Understand the basic application of techniques used to identify useful ideas for tests. Characterize a good bug report, peer-review the reports of your colleagues, and improve your own report writing. 					



ResourcePersonProfile

Name: Mr Krishna Kumar, Assistant Professor Organization: MIMT Core Skills: Data Security, Software testing Qualification: MCA, M. Tech Experience:18 years Research Area: Regression Testing



CERTIFICATE OF COURSE COMPLETION

This is to certified the ADITYA student of BCA (Batch: 2022-25) has successfully completed 30 Hours course on "Software Testing tools and Techniques" from 14-March-2023 to 17-May-2023

PRINCIPAL Mangalmay Institute of Management & Technology

CONVENER Mangalmay Institute of Management Technology

CAPACITO	ngalmay Institute of Management Technology Greater Noida (U.P.)	g
Course: BCA	A set and the set of the	
	ADD-ON COURSE QUIZ Time: 30 Min Course Name: Software Testing Tools & Techniques Date: 0 8 o 6	2023
Roll No:	Name: Aditya Year/Sem: 1/11	
ote: All questions are c arking'	Invigilator's Sign:	Negati
1) Which of the followin	g is not part of the Test document?	
a.) Test Case	b.) Requirements Traceability Matrix [RTM]	
c.) Test strategy	dy Project Initiation Note [PIN]	
2) Which of the following	g is not a valid phase of SDLC (Software Development Life Cycle)?	
a.) Testing Phase	b.) Requirement Phase	
c.) Deployment phas	d Testing closure	
3) Which of the following	testing is also known as white-box testing?	
a.) Structural testing	b.) Error guessing technique	
c.) Design based test	ing d.) None of the above	
4) Which of the following	g testing is related to the boundary value analysis?	
a.) White box and bla	ack box testing b.) White-box testing	
C) Black box testing	d.) None of the above	
5) What are the different le	evels of Testing?	
a.) Integration testing	b.) Unit testing	
c.) System testing	d.) All of the above	
5) In which environment w	ve can performed the Alpha testing?	
a.) User's end	by Developer's end	X
c.) User's and develop	ber's end d.) None of the above	1
y) - What is the key objecti	ive of Integration testing?	
a.) Design Errors	b.) Interface Errors	
c.) Procedure Errors	dy None of the mentioned	
· · · · · · · · · · · · · · · · · · ·	perform Regression testing?	
a.) After the software		
c.) When the environm modified		
	e can perform the Beta testing?	
a.) User's and develope	d.) None of the above	
c) User's end		
)When we have to stop the	\sim	
a.) The faults have been		
c.) The time completed	۲he risk is resolved V	

)	with	ch term is used to define testing?	
	a.)	Evaluating deliverable to find errors	b.) Finding broken code
	ē.)	A stage of all projects	d.) None of the above
()	Whie	ch of the following testing is also known a	s white-box testing?
	a.)	Structural testing	b.) Error guessing technique
	c.)	Design based testing	d.) None of the above \bigwedge
5)	Func	ctional testing is a?	
	a.)	Test design technique	b.) Test level
	c.)	SDLC Model	d) Test type
ł) –	Sani	ty testing is a?	(
	a.)	Test type	by Test Execution Leve
	c.)	Test Level	d.) Test design technique
5)	In w	hich environment we can performed the A	lpha testing?
	a.)	User's end	b.) Developer's end
	c.)	User's and developer's end	d.) None of the above

Max. Marks: 15

Marks Obtained:

01

(14)

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Name of Evaluator: Dome Ferrow

•	Mar	ngalmay Inst Gre	itute eater N	of Management Te Ioida (U.P.)	chnology (mus
Cour	se: BCA	A Course Name: S	DD-ON	COURSE QUIZ Festing Tools & Techniques	Time: 30 Min Date: 08/66/2023
Roll I	No:	Name: Ank			Year/Sem: I/II
Note: All Marking'	questions are co	i kana a		Invigilator's Sign: on will carry '1' mark a	nd there is no 'Negative
1) Whi	ich of the following	; is not part of the	Test do		
a.)	Test Case		b.)	Requirements Traceability	
c.)	Test strategy		/	Project Initiation Note [PIN	\sim
2) Whie	ch of the following	is not a valid pha	se of SD	LC (Software Development	t Life Cycle)?
a.)	Testing Phase		b.)	Requirement Phase	$\tilde{\mathbf{D}}$
c.)	Deployment phase	e	d)	Testing closure	y
3) Whic	ch of the following	testing is also kn	own as v	white-box testing?	
ay	Structural testing		b.)	Error guessing technique	D ·
c.)	Design based testi	ng	d.)	None of the above	y
4) Whi	ich of the following	testing is related	to the b	oundary value analysis?	
a.)	White box and bla	ck box testing	b.)	White-box testing	
c.)	Black box testing		d.)	None of the above 💛	
5) What	t are the different le	evels of Testing?			
a.)	Integration testing		b.)	Unit testing	
c.)	System testing		dy	All of the above	
6) In wh	nich environment w	e can performed	the Alph	na testing?	
a.)	User's end		b.)	Developer's end	a Sala
c.)	User's and develop	er's end	d.)	None of the above	
7) - Wh	at is the key objecti	ve of Integration	testing?		
a.)	Design Errors		b.)	Interface Errors	
c.)	Procedure Errors	1 F 6	d.)	None of the mentioned	
8) What	is the best time to	perform Regressi	on testir	ng?	
a.)	After the software	has been modifie	d b.)	As frequently as possible	
	When the environn modified	nent has been	d.)	Both option a & c	
9) In wh	ich environment w	e can perform the	e Beta te	sting?	
a.)	User's and develop	er's end	b.)	Developer's end	
	User's end			None of the above	
	we have to stop th	e testing?			
	The faults have bee		b.)	All the tests run	
	The time completed			The risk is resolved	
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11)	Which term is used to define testing?	- 2011년 - 1913년 1월 1919년 - 1919년 - 1919년 - 1911년 - 1911년 - 1911년 - 1911년
12)	a. Evaluating deliverable to find errorsc.) A stage of all projectsWhich of the following testing is also known as	b.) Finding broken coded.) None of the aboves white-box testing?
	a.) Structural testing	b.) Error guessing technique
	c.) Design based testing	d.) None of the above
13)	Functional testing is a?	
	a.) Test design technique	b.) Test level
	c.) SDLC Model	d.) Test type
14)	Sanity testing is a?	
	a.) Test type	b) Test Execution Level
	c.) Test Level	d.) Test design technique
15)	In which environment we can performed the A	
	a.) User's end	b.) Developer's end
	c.) User's and developer's end	d.) None of the above $\left(\begin{array}{c} \\ \end{array} \right)$

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Max. Marks: 15

Marks Obtained: 🍅

Sign.

Name of Evaluator:

Bednie finner

	tute of Management Technology
Course: BCA	D-ON COURSE QUIZ Time: 30 Min Atware Testing Tools & Techniques Date: 08/06/2023
Roll No: Name: ISHA	7/11
	Invigilator's Sign:
Marking'	question will carry '1' mark and there is no 'Negative
1) Which of the following is not part of the T	Fest document?
a.) Test Case	b.) Requirements Traceability Matrix [RTM]
c.) Test strategy	d. Project Initiation Note [PIN]
2) Which of the following is not a valid phase	e of SDLC (Software Development Life Cycle)?
a.) Testing Phase	b.) Requirement Phase
c.) Deployment phase	Testing closure
3) Which of the following testing is also know	wn as white-box testing?
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c.) Design based testing	d.) None of the above $\left(\begin{array}{c} \\ \end{array} \right)$
4) Which of the following testing is related to	o the boundary value analysis?
a.) White box and black box testing	b.) White-box testing
Black box testing	d.) None of the above
5) What are the different levels of Testing?	
a.) Integration testing	b.) Unit testing
c.) System testing	d) All of the above
6) In which environment we can performed th	ne Alpha testing?
a.) User's end	b.) Developer's end
c.) User's and developer's end	d.) None of the above
7) - What is the key objective of Integration to	esting?
a.) Design Errors	b.) Interface Errors (\land)
c.) Procedure Errors	d.) None of the mentioned
8) What is the best time to perform Regression	n testing?
a.) After the software has been modified	by As frequently as possible
c.) When the environment has been	d.) Both option a & c
modified	•
9) In which environment we can perform the I	Beta testing?
a.) User's and developer's end	b.) Developer's end
c.) User's end	d.) None of the above
10) When we have to stop the testing?	
a.) The faults have been fixed	b.) All the tests run
c.) The time completed	d.) The risk is resolved

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11)	Whit	ch term is used to define testing?	
	a.)	Evaluating deliverable to find errors	by Finding broken code 🤸
	c.)	A stage of all projects	d.) None of the above
12)	Whit	ch of the following testing is also known as	white-box testing?
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	c.)	SDLC Model	d.) Fest type
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15)	In v	which environment we can performed the A	lpha testing?
	(a.)	User's end	b.) Developer's end
	c.)	User's and developer's end	d.) None of the above
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Sign.

Marks Obtained:

11

Max. Marks: 15

Name of Evaluator: Kishne Comm

•	Man	galmay	Instit Grea	ute (ter N	of Managemen olda (U.P.)	t Tecl	nology (hug)
Cour	se: BCA	Course Na	ADI ame: Soft	D-ON ware T	COURSE QUIZ cesting Tools & Technic	ques	Time: 30 Min Date: 08/06/2023
Roll	No:		NISHA				Year/Sem: I/II
					Installator's	Sign:	De no 'Nogative
Note: All Marking	l questions are co	mpulsory.	Each q	luestie	on will carry '1' m	ark and	I there is no 'Negative
1) Wh	ich of the following	is not part	of the Te				i i i i i i i i i i i i i i i i i i i
a.)	Test Case				Requirements Tracea		Iatrix [RTM]
c.)	Test strategy			st.)	Project Initiation No	te [PIN]	<u> </u>
2) Wh	ich of the following	is not a val	id phase	of SD	LC (Software Develo	pment L	Life Cycle)?
a.)	Testing Phase			b.)	Requirement Phase	6	
c.)	Deployment phase	e		d.)	Testing closure	(
3) Wh	ich of the following		lso know	vn as v	vhite-box testing?		
a.)	Structural testing	1.		b.)	Error guessing techn	ique)
V.)	Design based testi	ng		d.)	None of the above	$\left(\cup\right)$	/
,	e	_	related to	the b	oundary value analysi	s?	
a.)	White box and bla				White-box testing	$((\))$	
(,)	Black box testing		U	d.)	None of the above		
5) Wh	at are the different le	evels of Te	sting?	,			
a.)	Integration testing		0	b.)	Unit testing		
c.)	System testing			d	All of the above)	•
	which environment w	ve can perfe	ormed th	e Alpl			
	User's end	o oun pon	dy.	by	Developer's end		•
a.)	User's and develop	per's end		d.)	None of the above	\mathcal{I}	North and the state
c.)	hat is the key object		tration te	,			
		ive of mee		b.)	Interface Errors	X	
a.)	Design Errors Procedure Errors			0.) d	None of the mention	ed	• •
c.)		n onform D	orraniar	va.)		eu -	
	at is the best time to				As frequently as pos	sible	
a.)	After the software			0.)			
c.)	When the environ	nent has be	een	(.)	Both option a & c		
	modified						
9) In w	hich environment w	e can perfo	orm the H			5	
a.)	User's and develop	er's end			Developer's end	(')	
c.)	User's end			d.)	None of the above	\smile	
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a.)	The faults have be	en fixed		b.)	All the tests run	1	
c.)	The time complete	d		d)	The risk is resolved	N)

Which term	1 is used to	define testing?
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a.) Evaluating deliverable to find errors

- d.) None of the above c.) A stage of all projects
- 12) Which of the following testing is also known as white-box testing?
 - Structural testing a.)
 - c.) Design based testing
- 13) Functional testing is a -----?
 - Test design technique a.)
 - SDLC Model c.)
- 14) Sanity testing is a -----?
 - Test type a.)
 - Test Level c.)

- d.) Test design technique
- In which environment we can performed the Alpha testing? 15)
 - User's end a.)
 - User's and developer's end c.)

b.) Test level

d.) None of the above

b.) Finding broken code

b.) Error guessing technique

- d.) Test type
- .b.X Test Execution Level
- b.) Developer's end d.) None of the above

Max. Marks: 15

Marks Obtained:

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Sign.

Name of Evaluator:

Kighni Cumis

•	Man		stitute of Management Technology
Cours	e: BCA	G	Greater Noida (U.P.)
Cours	C: BCA		ADD-ON COURSE QUIZTime: 30 Min: Software Testing Tools & TechniquesDate: 08106/2023
Roll N	0:	Name: Ya	ish Sain' Year/Sem: 1/11
Note: All Marking	questions are con	npulsory. Eac	Invigilator's Sign: The question will carry '1' mark and there is no 'Negative
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c.)	Deployment phase		d) Testing closure
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c.)	Design based testin	g	d.) None of the above
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c.)	Black box testing		d.) None of the above
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6) In whi	ich environment we	e can performed	ed the Alpha testing?
a.) I	User's end		b) Developer's end
c.) (User's and develope	er's end	d.) None of the above
7) - Wha	t is the key objectiv	ve of Integration	on testing?
a.) I	Design Errors		b.) Interface Errors
c.) H	Procedure Errors		d.) None of the mentioned
8) What i	is the best time to p	erform Regress	ssion testing?
a.) A	After the software h	as been modifi	fied b.) As frequently as possible
c.) V	When the environm	ent has been	d) Both option a & c
n	nodified		- / ~
9) In whic	ch environment we	can perform th	the Beta testing?
a.) U	Iser's and develope	r's end	b.) Developer's end
Ler U	Iser's end		d.) None of the above
10)When y	we have to stop the	testing?	
a.) T	he faults have beer	n fixed	b.) All the tests run
c.) T	he time completed		d) The risk is resolved
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- 11) Which term is used to define testing?
 - a.) Evaluating deliverable to find errors
 - c.) A stage of all projects
- s b.) Finding broken code
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 - c.) Test Level
- 15) In which environment we can performed the Alpha testing?
 - a.) User's end
 - c.) User's and developer's end

- b.) Error guessing techniqued.) None of the above
- b.) Test level d.) Test type
- by Test Execution Level
- d.) Test design technique
- b. Developer's end d.) None of the above

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Max. Marks: 15

Marks Obtained:

Name of Evaluator:

Kishns kumor

Sign.

, (iii)	Mangalmay In	stitute of Mana	gement Tec	hnology (mg)
Course: BCA		ADD-ON COURSE Q Software Testing Tools	UIZ	Time: 30 Min Daté: 6810612023
Roll No:		Tushan		Year/Sem: I/II
Note: All question	s are compulsory. Er	In an In the Indiana I	vigilator's Sign: y '1' mark ar	nd there is no 'Negative
Marking [•]	following is not part of	the Test document?		
a.) Test Case	1	b.) Requiremen	nts Traceability	Matrix [RTM
c.) Test strat		d.) Project Init		
		bhase of SDLC (Softwar		
a.) Testing P		b.) Requirement		
	ent phase	d) Testing clos	sure (
	-	known as white-box tes	ting?	
a.) Structura		b.) Error guess		
	ased testing	d.) None of the	above	
	-	ted to the boundary valu	ie analysis?	
	x and black box testing			
C Black bo	·	d.) None of the	above V	
	ifferent levels of Testin	g?		
a.) Integratio	on testing	b.) Unit testing	(
c.) System to	esting	d.) All of the al	pove	
6) In which enviro	onment we can perform	ed the Alpha testing?		
a.) User's en	d	b) Developer's	end (
c.) User's an	d developer's end	d.) None of the	above	1) Hiller
7) - What is the k	ey objective of Integrat	ion testing?		
a) Design E	rrors	b.) Interface En	TOTS 😾	
c.) Procedure	e Errors	d.) None of the	mentioned	
8) What is the bes	st time to perform Regre	ession testing?		
a.) After the	software has been mod	ified b.) As frequen	tly as possible	$\hat{\mathbf{n}}$
c.) When the modified	environment has been	d.) Both option	1 a & c (<u> </u>
9) In which enviro	onment we can perform	the Beta testing?		
a.) User's and	d developer's end	b.) Developer'	s end	
c, User's end		d.) None of the	(¹	
	to stop the testing?			
	s have been fixed	b.) All the test	s run)
	completed	d.) The risk is)

11)	Whi	ch term is used to define testing?	
	a.)	Evaluating deliverable to find errors	b.) Finding broken code
	c.)	A stage of all projects	b.) Finding broken code d./ None of the above
12)	Whi	ch of the following testing is also known as	white-box testing?
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13)	Fund	ctional testing is a?	
	a.)	Test design technique	b.) Test level
	c.)	SDLC Model	d.) Test type
14)	Sani	ty testing is a?	
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	c.)	Test Level	d.) Test design technique
15)	In v	which environment we can performed the A	
	a.)	User's end	b) Developer's end
	c.)	User's and developer's end	d.) None of the above

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'Max. Marks: 15

Name of Evaluator:

Marks Obtained:

Kibns Rumor

Mar	ngalmay Instit Grea	tute of Management Tec ater Noida (U.P.)	chnology
Course: BCA	АІ	DD-ON COURSE QUIZ	Time: 30 Min
	Course Name: So	ftware Testing Tools & Techniques	Date: 08/06/2023
Roll No:	Name: 5h9		Year/Sem: I/II
Note: All questions are co Marking'	ompulsory. Each	Invigilator's Sign: question will carry '1' mark a	nd there is no 'Negative
1) Which of the followin	g is not part of the		
a.) Test Case	S.	b.) Requirements Traceability	
c.) Test strategy		de Project Initiation Note [PIN	
2) Which of the following	g is not a valid phas	e of SDLC (Software Development	t Life Cycle)?
a.) Testing Phase		b.) Requirement Phase	
c.) Deployment phas	se	d.) Testing closure	9
3) Which of the following	g testing is also kno	own as white-box testing?	
a.) Structural testing	ç i	b.) Error guessing technique	\mathbf{N}
c.) Design based tes	ting	d.) None of the above	
4) Which of the followin	ng testing is related	to the boundary value analysis?	
a.) White box and b	lack box testing	b.) White-box testing	
c.) Black box testing	g	d.) None of the above	
5) What are the different	levels of Testing?		
a.) Integration testin	ıg	b.) Unit testing	
c.) System testing		d) All of the above	
6) In which environment	we can performed		
a.) User's end		by Developer's end	
c.) User's and develo	oper's end	d.) None of the above	
7) - What is the key object	ctive of Integration	testing?	
a.) Design Errors		b.) Interface Errors	
c.) Procedure Errors	3	d None of the mentioned	`
8) What is the best time t	to perform Regressi	on testing?	
a.) After the softwar	re has been modifie	d b.) As frequently as possible	\mathcal{I}
c.) When the enviro modified	nment has been	d.) Both option a & c)
9) In which environment	we can perform the	e Beta testing?	
a.) User's and develo	oper's end	b.) Developer's end $\begin{pmatrix} l \end{pmatrix}$	
c.) User's end		d.) None of the above	
10)When we have to stop	the testing?	an an an an an an an an <u>an</u> an	
a.) The faults have b	been fixed	b.) All the tests run	
c.) The time comple	eted	d.) The risk is resolved	

11)	Which term is used to define testing?	
	a.) Evaluating deliverable to find errors	b.) Finding broken code
	c.) A stage of all projects	d, None of the above
12)	Which of the following testing is also known as	white-box testing?
	a. Structural testing	b.) Error guessing technique
	c.) Design based testing	d.) None of the above ()
13)	Functional testing is a?	
	a.) Test design technique	h.) Pest level
	c.) SDLC Model	d.) Test type
14)	Sanity testing is a?	
	a.) Test type	b.) Test Execution Level
	c.) Test Level	d.) Test design technique
15)	In which environment we can performed the A	lpha testing?
	a User's end	b.) Developer's end
	c.) User's and developer's end	d.) None of the above

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Sign.

Max. Marks: 15

Marks Obtained:

Name of Evaluator:

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Mangalmay Institu Great	er Noida (U.P.)
Course: BCA ADD Course Name: Softw	vare Testing Tools & Techniques Time: 30 Min Date: 0810612023
Roll No: Name: Sye	da Year/Sem: 1/11
	Invigilator's Sign: uestion will carry '1' mark and there is no 'Negative
1) Which of the following is not part of the Te	st document?
a.) Test Case	b.) Requirements Traceability Matrix [RTM]
c.) Test strategy	d) Project Initiation Note [PIN]
2) Which of the following is not a valid phase	of SDLC (Software Development Life Cycle):
a.) Testing Phase	b.) Requirement Phase
c.) Deployment phase	d) Testing closure
3) Which of the following testing is also know	
a.) Structural testing	b.) Error guessing technique
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4) Which of the following testing is related to	
a.) White box and black box testing	b.) White-box testing
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7) - What is the key objective of Integration te	sting?
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8) What is the best time to perform Regression	n testing?
a.) After the software has been modified	b.) As frequently as possible
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9) In which environment we can perform the I	Beta testing?
a.) User's and developer's end	b.) Developer's end
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Which term is used to define testing? 11) Evaluating deliverable to find errors a.) b.) Finding broken code A stage of all projects c.) A.) None of the above Which of the following testing is also known as white-box testing? 12) a.) Structural testing b.) Error guessing technique Design based testing c.) d.) None of the above 13) Functional testing is a -----? Test design technique a.) by Test level SDLC Model c.) d.) Test type 14) Sanity testing is a -----? a.) Test type b) Test Execution Level Test Level c.) d.) Test design technique In which environment we can performed the Alpha testing? 15) a.) User's end b.) Developer's end c.) User's and developer's end d.) None of the above

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Max. Marks: 15

Marks Obtained:

Name of Evaluator:

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- b	() Man	galmay l	nstitute Greater f	of Management Joida (U.P.)	Technology	
Course	: BCA	Course Nan	ADD-ON ic: Software	COURSE QUIZ Testing Tools & Techniqu	Time: 30 Min Date: 08106	2023
Roll No	0:		vitise k		Year/Sem: I/II	
Marking		mpulsory. I	Each questi	Invigilator's S on will carry '1' mai	sign: k and there is no	'Negative
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a.)	Test Case			Requirements Traceab		\wedge
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2) Which	n of the following	is not a valid	phase of SI	DLC (Software Develop)	ment Life Cycle)?	
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5) What	are the different le	vels of Testi	ng?			
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	When the environm		ν	Both option a & c		
,	nodified					
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- Which term is used to define testing? 11)
 - Evaluating deliverable to find errors a.)
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- b.) Finding broken code 1h None of the above
- Which of the following testing is also known as white-box testing?
 - Structural testing a.)
- Design based testing c.) 13)
 - Functional testing is a -----?
 - Test design technique a.)
 - SDLC Model c.)
- Sanity testing is a -----? 14)
 - a.) Test type
 - c.) Test Level

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- d.) None of the above

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- In which environment we can performed the Alpha testing? 15)
 - a.) User's end
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Name of Evaluator:

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•	() Man	ngalmay Inst Gre	tute	e of Management Tec Noida (U.P.)	hnology (mus)
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- In which environment we can performed the Alpha testing? User's end a.) 15)
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- d.) None of the above b.) Developer's end

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Marks Obtained:

50

Name of Evaluator:

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Mangalmay Institute of Management Technology Greater Noida (U.P.)	3Y (
Course: BCA ADD-ON COURSE QUIZ Time: 30 Min Course Name: Software Testing Tools & Techniques Date: 08 06 202	0 Min 0 8 06 202 3
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Name of Evaluator:

Emild Suchty