Subject: SOFTWARE TESTING Code: DC120

Diplete - CS {NEW SCHEME}

Time: 3 Hours

DECEMBER 2018

Max. Marks: 100

PLEASE WRITE YOUR ROLL NO. AT THE SPACE PROVIDED ON EACH PAGE IMMEDIATELY AFTER RECEIVING THE QUESTION PAPER.

NOTE: There are 9 Questions in all.

- Question 1 is compulsory and carries 20 marks. Answer to Q.1 must be written in the space provided for it in the answer book supplied and nowhere else.
- The answer sheet for the Q.1 will be collected by the invigilator after 45 minutes of the commencement of the examination

qu	 a. Which testing is performed with Planning and Documentation? (A) Ad-hoc testing (B) Monkey testing (C) Fuzz testing (D) End-to-End testing b. Test cases are created in which phase? (A) Test Specification (B) Test Planning (C) Test Requirement (D) Test Configuration c. Testing helps us to of product by finding defects in product. (A) Fix defect (B) Improve quality (C) Measure quality (D) All of these d. Which technique is applied for usability testing? (A) White box (B) Black box 				
Q.1	Choose the correct or the best alternative in the following:				
	a.	O 1			
		` '	` '		
		(C) Fuzz testing	(D) End-to-End testing		
	b.	Test cases are created in which	h phase?		
			-		
	c.	Testing helps us to	of product by finding defects in pr	roduct.	
		<u> </u>			
	d.	Which technique is applied for	r usability testing?		
	٠.		<u> </u>		
		(C) Grey box	(D) Combination of all		
	e.	In Software Development Li Defect?	ife Cycle, who is the best person	to catch a	
		(A) Software Tester	(B) Customers		
		(C) Business Analyst	(D) Developer		
		(C) Dusiliess Alialyst	(D) Developel		
	f	Independent modules are easie	er to maintain and test because of		

- - (A) Code modification is limited (B) Error propagation is reduced
 - (C) Reusable modules are possible. (D) All of these
- g. Which of the following is the largest bug producer?
 - (A) Code

(B) Design

(C) Specification

- (**D**) All of these
- h. Regression Testing is a major part of which of the life cycle?
 - (A) Waterfall model

(B) V model

(C) Iterative model

(**D**) All of these

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i. Which of the following categories, Black-box testing attempts to find errors?

- (A) Incorrect or missing functions (B) Interface errors
- (C) Behavior or performance errors (D) All of these
- j. When Testing should be stopped?
 - (A) When manager asks to stop
 - **(B)** When time runs out
 - (C) When enough money are spend on testing
 - (**D**) It depends on risk associated with that project.

Answer any FIVE Questions out of EIGHT Questions.

		Each Question carries 16 Marks	
Q.2	a.	Define Testing. Explain its objective and purpose for software.	(12
	b.	What is the main purpose of testing in software development, explain?	(4
Q.3	a.	What are the software testing types or levels? Define each in short.	(1
	b.	Differentiate between integration and system testing.	(
Q.4	a.	Point out the difference between Performance & Regression testing	(
	b.	What is acceptance testing.	(
	c. What is interoperability testing		
Q.5	a.	Explain Data flowgraphs and their representation.	(1
	b.	What is transaction flow technique, list-out all types of transaction flot technique?	ow (
Q.6	a.	Explain what is domain & path in software testing? Explain with the help example.	of (
	b.	What is the difference between ugly and nice domains in domain testing?	(
Q.7	a.	Explain Path Reduction Procedure.	(1
	b.	What is path product, path sums & path expression, explain?	(
Q.8	a.	Explain the concept of logic based testing.	(
	b.	What is predicates in logic based testing?	(
	c.	Define decision table in structural testing.	(
Q.9	a.	What is object oriented testing method? Also define fault-based testing Scenario-based testing in brief	& (
	b.	What are the tools for testing of O.O. system, explain each of them?	(