



Seat No. _____

HAJ-003-1043001

B. Sc. I. T. (Sem. III) (WEF-2016)
Examination

May - 2023

CS-13 : SAD, Software Quality
Assurance and Testing

Faculty Code : 003
Subject Code : 1043001

Time : $2\frac{1}{2}$ Hours / Total Marks : 70

1	(a)	Objective type questions :	4
	(1)	SDLC stands for _____.	
	(2)	DFD stands for _____.	
	(3)	In a DFD external entities are represented by a _____.	
	(4)	_____ can be defined as data that has been processed into a form that is meaningful to the recipient and is of real or perceive value in current or prospective decisions.	
	(b)	Attempt the following : (any 1 out of 2)	2
	(1)	Write definition of System.	
	(2)	Explain System Analyst.	
	(c)	Attempt the following : (any 1 out of 2)	3
	(1)	Explain QA Activities.	
	(2)	Explain Level of DFD with example.	
	(d)	Attempt the following : (any 1 out of 2)	5
	(1)	Explain Fact Finding Techniques.	
	(2)	Explain Software Engineering.	

2	(a) Objective type questions :	4
	(1) What is Bug ?	
	(2) What is Error ?	
	(3) What is Load Testing ?	
	(4) What is Security Testing ?	
	(b) Attempt the following : (any 1 out of 2)	2
	(1) What is Dynamic Testing ?	
	(2) Explain Integration Testing.	
	(c) Attempt the following : (any 1 out of 2)	3
	(1) Explain Black Box testing.	
	(2) Explain Test Harness and Test Suite.	
	(d) Attempt the following : (any 1 out of 2)	5
	(1) Explain static testing.	
	(2) Explain Non-functional testing.	
3	(a) Objective type questions :	4
	(1) Methodology in which project management processes were step-by step?	
	(2) An individual who plans and directs the work?	
	(3) A stage in which individual components are integrated and ensured that they are error-free to meet customer requirements?	
	(4) The customer requirements are broken down into logical modules for ease of _____.	
	(b) Attempt the following : (any 1 out of 2)	2
	(1) What is Win runner ?	
	(2) Define Freeware and Shareware.	
	(c) Attempt the following : (any 1 out of 2)	3
	(1) Explain Big Bang Model.	
	(2) Explain Prototyping Model.	
	(d) Attempt the following:(any 1 out of 2)	5
	(1) Explain Waterfall model.	
	(2) Write a note on V-Model.	

4 (a) Objective type questions : 4

- (1) A project usually has a timeline chart which was developed by _____?
- (2) Every task that is scheduled should be assigned to a specific term member is termed as _____.
- (3) A horizontal bar chart that shows project tasks against a calendar is called
- (4) Monitoring is NOT a part of project management.
(True/false)

(b) Attempt the following : (any 1 out of 2) 2

- (1) What is Project Management ?
- (2) Define Project Costing based on metrics.

(c) Attempt the following : (any 1 out of 2) 3

- (1) Explain Algorithms Methods.
- (2) Explain Decomposition Method.

(d) Attempt the following : (any 1 out of 2) 5

- (1) Explain Timeline Chart.
- (2) Explain Task Network and Scheduling Methods.

5 (a) Objective type questions : 4

- (1) Object diagram is used to show the design _____ view of a system.
- (2) Forward engineering and reverse engineering can be applicable to _____
- (3) _____ model static data structures.
- (4) Class diagrams are not useful to _____.

(b) Attempt the following : (any 1 out of 2) 2

- (1) What is UML Designing ?
- (2) What is MS-VISIO ?

(c) Attempt the following : (any 1 out of 2) 3

- (1) Explain Use Case Diagram.
- (2) Explain Activity Diagram.

(d) Attempt the following : (any 1 out of 2) 5

- (1) Give example of UML Class Diagram.
- (2) Explain MS-Project for controlling and Project Management.