



Seat No. \_\_\_\_\_

**HQ-003-3042004**

**B. Sc. (IT) (Sem. II) (CBCS) (W.E.F.-2022) Examination**  
**April – 2023**

**SAD, Software Quality Assurance and Testing**

**Faculty Code : 003**  
**Subject Code : 3042004**

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

<b>1</b>	<b>(a)</b>	Objective type questions :	<b>4</b>
	(1)	What is System ?	
	(2)	Give full form of QC.	
	(3)	Give full form of SDLC.	
	(4)	Give full form of DFD.	
	<b>(b)</b>	Answer in brief : (any 1 out of 2)	<b>2</b>
	(1)	What is subsystem ?	
	(2)	What is QA ?	
	<b>(c)</b>	Answer in detail : (any 1 out of 2)	<b>3</b>
	(1)	Explain Role of Systems Analyst.	
	(2)	Explain Data Flow Analysis Tool.	
	<b>(d)</b>	Write a note on : (any 1 out of two)	<b>5</b>
	(1)	Explain SDLC with diagram.	
	(2)	Explain QA activities.	
<b>2</b>	<b>(a)</b>	Objective type questions :	<b>4</b>
	(1)	What is Bug ?	
	(2)	What is Unit Testing ?	
	(3)	What is Error ?	
	(4)	What is Test Suite ?	

<p>(b) Answer in brief : (any 1 out of 2)</p> <p>(1) What is Test Script ?</p> <p>(2) What is Static Testing ?</p> <p>(c) Answer in detail : (any 1 out of 2)</p> <p>(1) Explain Integration Testing.</p> <p>(2) Explain Load Testing.</p> <p>(d) Write a note on : (any 1 out of 2)</p> <p>(1) Explain Dynamic Testing in detail.</p> <p>(2) Explain White Box Testing and Black Box Testing.</p>	<p><b>2</b></p> <p><b>3</b></p> <p><b>5</b></p>
<p><b>3</b></p> <p>(a) Objective type questions :</p> <p>(1) Give full form QTP.</p> <p>(2) What is Load Runner ?</p> <p>(3) What is Shareware ?</p> <p>(4) What is Iterative Model ?</p> <p>(b) Answer in brief : (any 1 out of )</p> <p>(1) What is Automated Testing ?</p> <p>(2) What is Win runner ?</p> <p>(c) Answer in detail : (any 1 out of 2)</p> <p>(1) Explain Waterfall Model.</p> <p>(2) Explain V-Model.</p> <p>(d) Write a note on : (any 1 out of 2)</p> <p>(1) Explain Spiral Model.</p> <p>(2) Explain Big Bang Model.</p>	
<p><b>4</b></p> <p>(a) Objective type questions :</p> <p>(1) What is Chart ?</p> <p>(2) What is Pert Chart ?</p> <p>(3) What is Project Management ?</p> <p>(4) What is Decomposition Technique ?</p>	

(b) Answer in brief : (any 1 out of 2) 2

- (1) What is Effort Estimation Techniques ?
- (2) What is use of Time Line Chart ?

(c) Answer in detail : (any 1 out of 2) 3

- (1) Explain project costing based on metrics.
- (2) Explain algorithmic methods.

(d) Write a note on : (any 1 out of 2) 5

- (1) Explain graphical Reporting Tools.
- (2) Explain monitoring and control progress,

**5** (a) Objective type questions : 4

- (1) Give full form of UML.
- (2) Give full form of CAD.
- (3) What is extension for Visio Drawing file ?
- (4) What is MS-Visio ?

(b) Answer in brief : (any 1 out of 2) 2

- (1) List types of Diagrams.
- (2) What is MS-Project ?

(c) Answer in detail : (any 1 out of 2) 3

- (1) Explain Class diagram.
- (2) Explain Use Case Diagram.

(d) Write a note on : (any 1 out of 2) 5

- (1) Write steps to draw flow chart in MS Visio.
- (2) Explain Activity diagram.

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