



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

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

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

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| | (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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